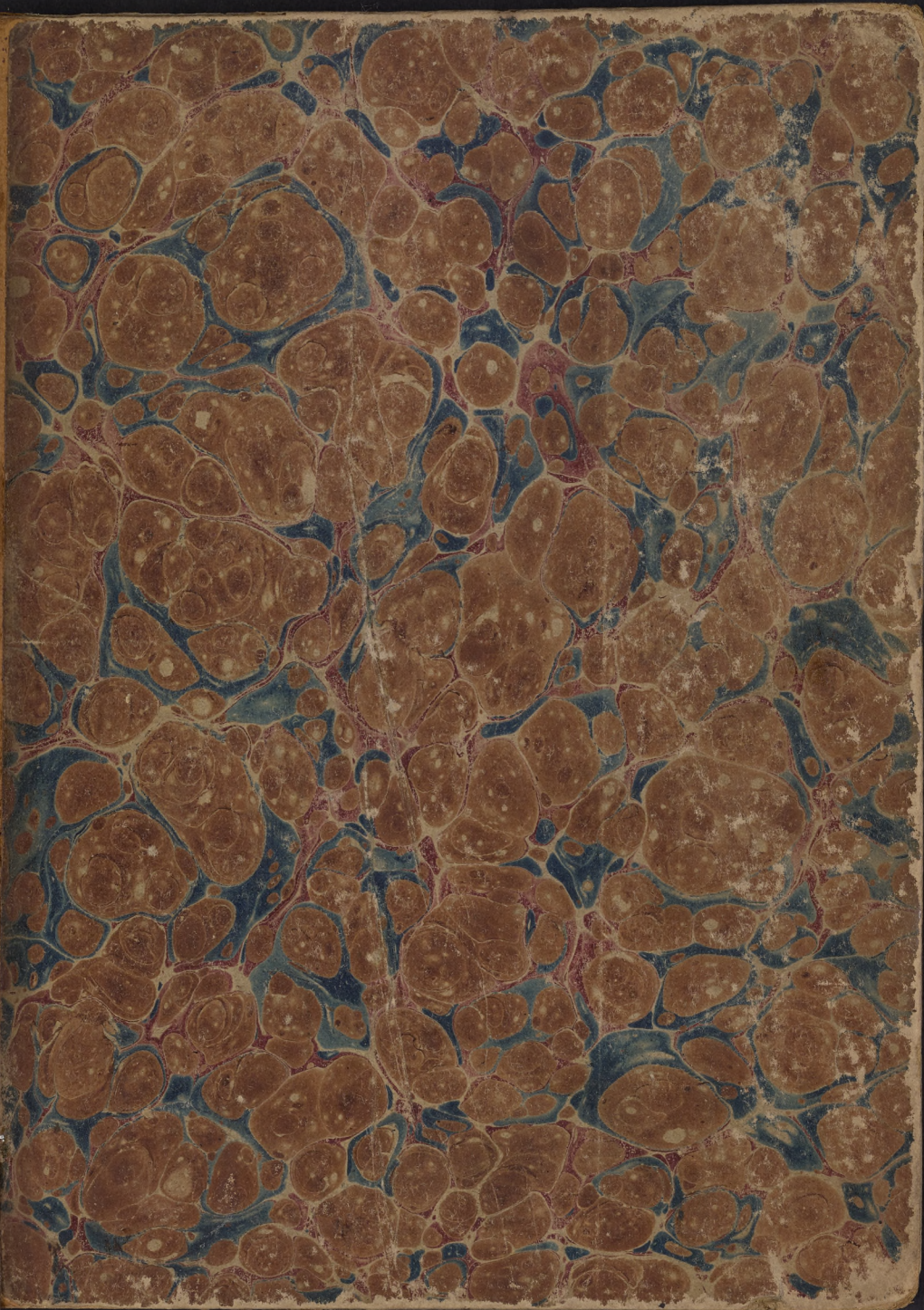
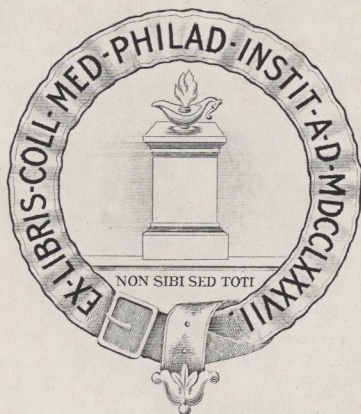


10a  
238  
v.2





158484



*Class* 10a *No.* 238 v.2

*Presented by*

Daniel Murray Cheston, M.D.



Notes on Prof. F. G. Smith's  
Lectures on

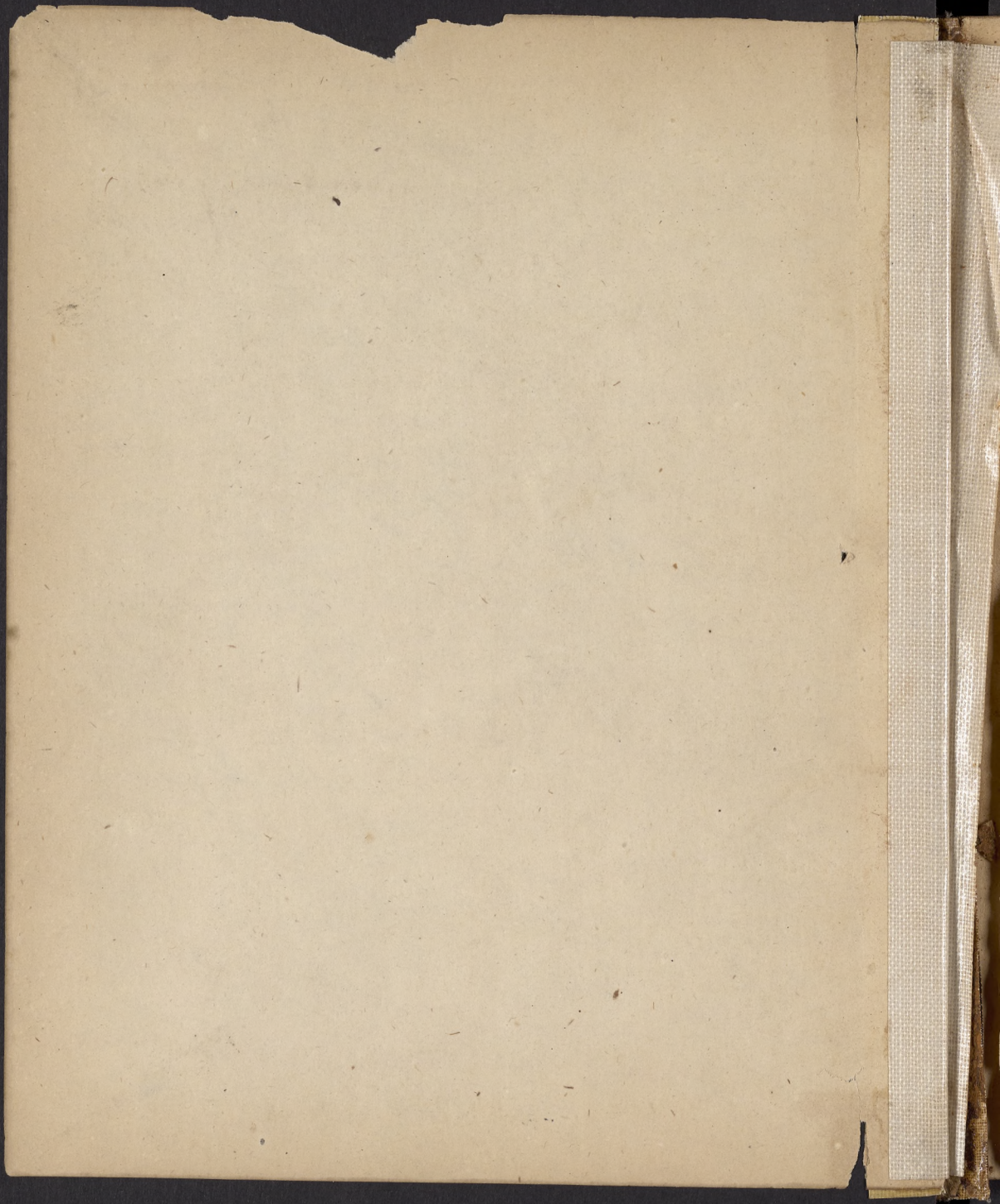
Physiology & the Institutes  
of  
Medicine

University of Penna.  
1883-84.

Vol. 2

A. M. Chester.



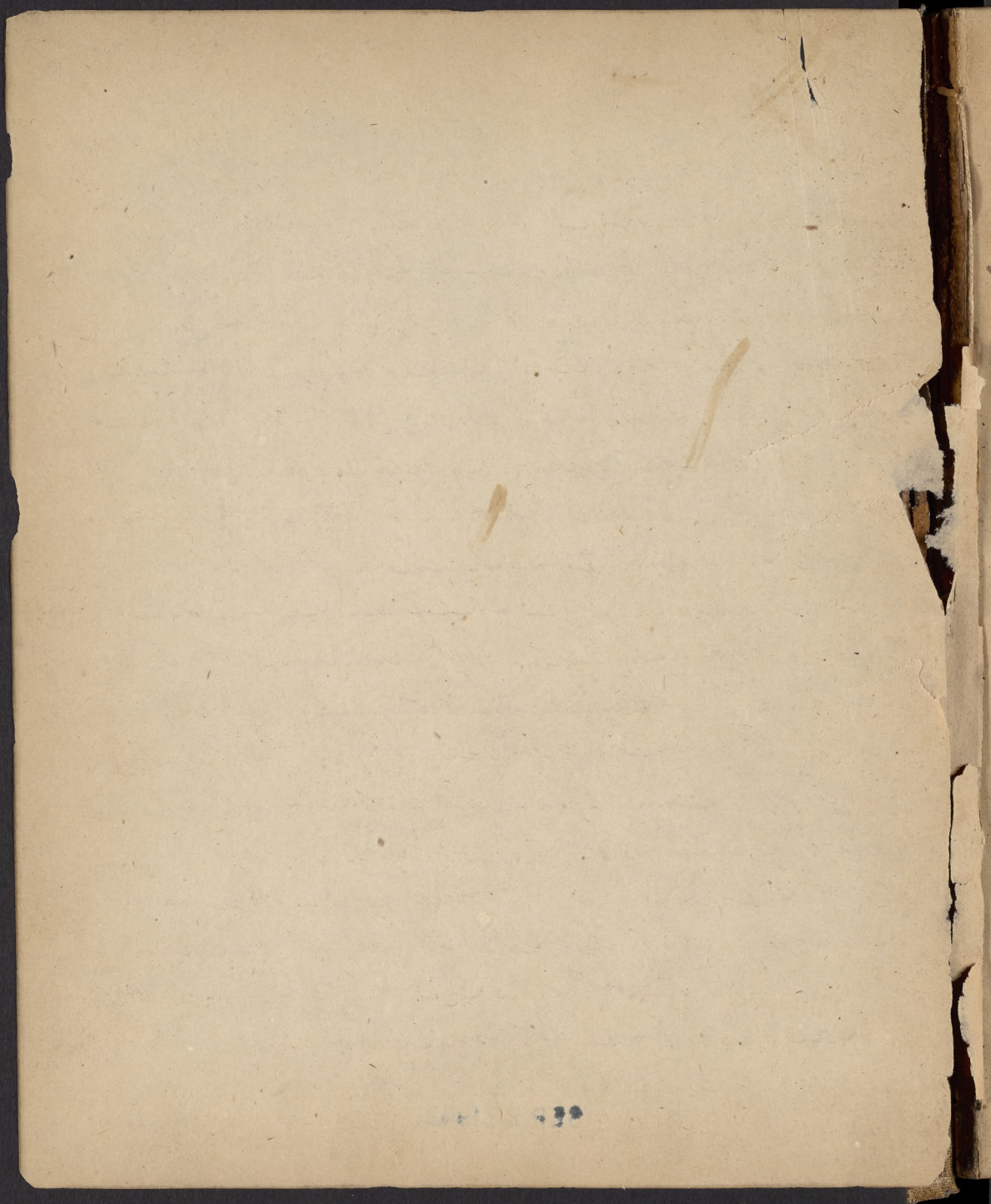




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SEP 23 1942







February 15<sup>th</sup> - 64.

N<sup>e</sup> makes 4 Divisions of nervous System.

Peripheral ganglionae around brain.

Sensory - motor - base of brain

Cycto-motor division - in Spinal marrow.

Great Sympathetic " . Function of Sensation  
means The function presiding over conscious-  
ness of impressions - located in the brain.

The mind recognises as an impression the  
change wh. takes place in the brain - in  
the Sensorium commune. Gen<sup>l</sup> & Spec-  
cial Sensibility - Special Sensibility has  
nerves transmitting impressions of a special  
character - Sapient & Optic Nerves instances.  
Irritation of These nerves doesn't cause pain.  
No one of them can take on itself the Spec-  
cial function of another.

Gen<sup>l</sup> Sensibility - conveys or transmits  
impressions of a general character -  
Sensation of Heat & Cold &c conveyed by them.  
Sensations arise fr. impressions made  
as well on the Centre of the nerve (Subjected)  
as on the objective or ext<sup>l</sup> - impressions



always referred in these cases to the peripheral extrem. of the nerves.

Congestion occurring at the termination of the Nerves of Special Sense causes a peculiar sensation or phenomenon at the extremity of the nerve. - Something occurs in nerves of fine sensibility.

May excite all the nerves of Special Sense by the same cause, as a blow in the face - See Stars, earring &c. Diminish the Sensibility of a part by diminishing its vascularity - Increasing it by increasing its vascularity. Continuity of the Nerve & a proper condition of the centre is necessary.

Nerves become accustomed to sensations. When attention is directed to these sensations it becomes stronger.

5 Special Senses - Seeing, Hearing, Feeling, Smelling & Tasting.

A<sup>2</sup> Thinks the Muscular Sense may be added to this. When post<sup>2</sup> columns of Spinal Cord have been



injured This muscular sense is lost & man  
 totters from side to side & has no idea of  
 The amt. of muscular action required -  
 The guiding influence of muscular sense  
 has been destroyed. Used to be sup-  
 posed that this guiding sensation resi-  
 ded in skin - Somebody skinned frog  
 & found he still possessed it.  
 Sense of fatigue also conveyed by mus-  
 cular sense. Touch - Seat in  
 skin - best at tips of fingers, lips & ex-  
 tremity of tongue. The number of the pa-  
 pillae is an index to the relative sen-  
 sibility of the part. We cause the  
 organ of sense of touch not only to touch  
 a body but to pass over it, in examin-  
 ing it. It can be so educated that  
 blind persons learn to read in this  
 manner. Blind people learn the  
 color of bodies in this way. In some  
 persons it is more developed than in  
 others. Whales & bats have the nervous  
 fibres remarkably developed on their



bodies.

Feb. 17<sup>th</sup>.

Power of appreciating impression or  
sense of pain not always most acute  
where sense of touch is most keen.  
Has been supposed that two separate  
Classes of <sup>Nerves</sup> ~~nerves~~ preside over these  
two senses - not so. - The power of  
appreciating impressions seems to  
reside in the skin itself - Remove  
it & apply a hot body - the Sensation  
of pain is experienced, but we can  
form no idea of its form by the sense  
of touch. The impressions made  
upon the organ of genl. Sensibility  
remain some time. Much more  
vivid when first made than later.  
Sensation of insects crawling over  
body, goose-flesh &c are "Subjective  
sensations." Sensation of "touch"  
The most genl in all animals.  
Taste is the next most frequent,



Resides in tongue, soft palate & perhaps  
lips & cheeks. Papillae on tongue are  
 conically alike papillae of tongue on skin.  
Capitate papillae <sup>(fig)</sup> far back. Filiform  
 & Circumvallate papillae. They are  
 vascular structures & have nerves of  
 taste distributed in them.

Filiform papillae minister largely to  
genl Sensibility. Hypo-glossal nerve  
 administers to motion of tongue - Comes  
 fr. motor tract. Glossopharyngeal  
nerve terminates in Capitate papillae,  
 administers to genl & special Sensibility -  
 resides over taste at post part of  
tongue. Inf maxillary branch of  
trifacial goes also to tongue - Admin-  
 isters to taste at sides & tips of tongue,  
 & genl Sensibility of tongue.

Flurred tongue depends upon modification  
thinness of epithelium.  
 In order to taste, nerves must be in  
 a state of integrity - the substance  
 to be tasted must be in a sol. condition.



The Substance must be made to pass  
over the sensitive surface.

When mouth is dry, the sense of taste is  
lost. Taste can be educated & ex-  
tivated - Wine tasters & Epicures exhibit  
this. "After taste" - Sensation left after  
tasting certain substances.

Subjective Sensation exists here as  
well as in Sense of touch - Experienced  
in bad taste after blows on head &c -  
as well as in taste of 'med.' when intro-  
duced by injection.

Some substances modify taste -  
Cold, long applied, destroys it, & fre-  
quent repetition of tasting substances  
destroys it. <sup>Quins</sup>

Sense of Smell. Located in Schneiderian  
Mucous Membrane. Olfactory nerves  
distributed over turbinated bones -  
Sup<sup>r</sup> & upper half of middle. It is  
peculiar in structure - gelatinoid & has  
no white substance of Schwann.  
~~But~~ Sensibility not connected with  
this. Nifacial administration to



7

the genl Sensibility of The Nose - has been  
supposed to preside too over Special Sensibility  
of nose - Case reported by Bernard would go  
to support this Theory. Smell can be so  
cultivated as to be able by its recognize  
individuals - Blind persons often exhibit  
this. Subjective Sensation exists here  
too - fear from a horse may make man  
Smell something nausey; Impression re-  
mains, when made, for a short time.  
After have after Sensations - "After Smell"  
here. After-taste & after-smell has same  
relation to taste & smell as Compliment-  
tary colors have to vision.  
When impressions occur with great frequency,  
The perception is finally lost.

Feb. 19<sup>th</sup>

- Sense of hearing - or audition -  
Mind becomes conscious of waves  
producing sound. Auditory nerve being  
destroyed, the sense of sound is lost.  
A nerve contained in a sac, is the



Essential condition.

The vestibule is the Sac containing the nerve & fluid, - the nerve being distributed on the wall of Sac.

3 Portions of Ear - Ext<sup>l</sup>, Middle or tymp., & Int<sup>l</sup> or lat<sup>l</sup> = int<sup>l</sup>. Quinck & Ext<sup>l</sup> = Auditory Meatus constitute External Ear.

Membrana tympani closes the bottom of Ext<sup>l</sup> meatus - usually not tense, has no foramen or opening in it.

{ Middle Ear - tymp., having for. oval & for. rotund. closed by membranes. Cylindrical - lined with mucous membr. Communicates with mastoid sinuses & with ~~the~~ Eustachian tube. Small bones of Ear, Malleus - (attached to mandib., tymp.) - incus & stapes articulated together in middle ear - establish communication bet. oval foramen & membr. tympani.

{ Internal Ear - petrous portion of temp. bone. Vestibule, Semi-



Circular Canals & Cochlea included in this - Communicate with one another & each contains fluid; in Vestibule & semicircular canals we have a sort of cast - called membr. laby = rinth. None in Cochlea. Endolymph within Semicirc. canal.

In membranous labyrinth we find otoliths. In Cochlea we have bony labirinae & membr. laminae.

Scala Vestibuli & Scala Tympani Communicate at upper part of Cochlea.

Auditory Nerve distributed to membranous labyrinth.

Sounds are transmitted to membr. tympani - transmitted by bones to membr. of oval for. - fr. this to Vestibule, membranous labyrinth &c. (Sounds are transmitted by reciprocation, by resonance & by Conduction, last, but not least by any means)

Solids conduct better than liquids & liquids better than gases. No



Sound is transmitted in a vacuum.  
Canon fired over ice you hear  
two sounds - one transmitted by  
the ice & more audibly than the  
other by the air.

The Auditory is thrown into vi-  
brations by reciprocation - so  
with air in contact with membr.  
tympani. Conducts pressure  
to perilymph, membr. labyrinth,  
Endolymph & Utriculus.

Lights the membr. tympani <sup>in any way</sup>  
you elevate its fundamental  
note, at the same time be-  
coming deaf to all sounds below  
this fundamental note.

Effusion into Eustach. tube  
lights membr. & elevates fun-  
damental note - may perforate  
the membr. advantageous  
in these cases.

Chain of bones conducts sound  
across tympanic cavity wh.  
isolates the chain of bones.



11  
Persons without the tympanic membr.  
or the bones may still hear; The  
vibrations being transmitted to  
oval & round foramen by Recipro-  
cation. Crista, tube serves to  
balance the air on the two sides  
of membr. & conducts away Secu-  
tion. Membr. of round foramen  
receives vibrations of reciprocation  
& transmits it to Cochlea.  
Semicircular Canals serve as  
"dampers" one to another - Enable  
us to isolate the separate diff't.  
The different sounds - prevent  
their being reflected back in even  
direction. Sounds going up by  
diff't. Scalae meet at top & neu-  
tralize one another & there impress  
the Auditory nerve directly.  
(If these vibrations succeed one another  
at the rate of 7-14 per second, a single  
impression or note is made.)



Feb. 24<sup>th</sup>.

{ Sense of hearing is Edurable - seen  
in blind, in telegraph operators &c.  
Pin. Aurium &c indications of Subjective  
Sensation fr. various Modifications  
of the int<sup>l</sup> of the head.  
Can judge of Size of bodies as well  
as their Distance by their Sound.  
Can simulate Distance - Ventrilo-  
quists. Can tell of the Speed at  
wh. bodies are moving & Sound.  
Some persons insensible to sound,  
not fr. any affection of the  
organ itself but fr. some int<sup>l</sup>  
Ceph. trouble. Man appreciates  
a greater range of sound than  
other animals - 8-9 octaves.  
Regulate the pitch of the voice  
very much by sense of hearing.  
Auditory nerve endowed with a  
high degree of Sensibility - developed  
by want of use.

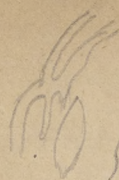


{ Organ of Seeing - In simplest form it is a sensitive nerve, shielded with coloring matter. In man = a nerve endowed with special Sensibility - capable of appreciating rays of light. Optic nerve & its expansion, sclerotic coat, varying in density - according to amt. of pressure to wh. it is subjected - very thick in whales & other fish - Sometimes have osseous plates protect it. Cornea - bulging in front. Coat with fluid. Choroid Coat, thin & delicate, with blood vessels & pigment. Iris. Retina, or expansion of optic nerve - formerly supposed.

Retina composed of 4 coats - the innermost one is the expansion of the optic nerve <sup>(having no white substance of Sclerotic)</sup> the next ves-  
cular <sup>having prolongations</sup> the 3<sup>rd</sup> granular & the 4<sup>th</sup> Jacob's membrane.

Vitreous body - Crystalline body, in front - surrounded by hyaloid membrane.





Ant<sup>r</sup> & post<sup>r</sup> Chambers  
communicate through pupil,  
separated by iris. Aqueous

humor in these Chambers.

A ray of light in going into a denser  
body is refracted towards a perpendic-  
ular; from the perpendicular  
on passing into a body of less  
density. The refracting power of  
the circumference of a lens is  
greater than the Centre - i.e. -  
rays passing through the circumfer-  
ence of a lens are brought to  
a focus shorter than through  
the Centre.

Violet  
Indigo  
Blue  
Green  
Yellow  
Orange  
Red

Red most  
refraction

Dispers:



Feb. 25<sup>th</sup>.

As rays of light reach choroid coat they are absorbed & converted into heat. The fibrous layer is the conduct layer. The reticular layer is the one in wh. the change takes place. The material of this layer is oxidized & has to be regularly replaced.

4 Straight & 2 oblique muscles.

Oblique muscles assist in rotation on longitudinal axis & act as antagonists to recti. Eye adapts itself to distances — not by contraction of recti muscles, but by the action of the ciliary muscle, which contracting, draws on hyaloid membrane & thus allows crystalline lens to approach ant. part of eye.

(See page 14) Remove lens & eye can't adapt itself to distances. (Belladonna acts on 3<sup>rd</sup> pair of nerves & allows ciliary muscle to overcome action of circular.) Sailors & those in the habit of



looking at long distances these  
fibres of ciliary muscle become  
feeble & don't act after some time  
becoming near sighted -

Opposite State of things in  
Students, water makes the  
Myopia - too great refraction  
on the part of the lenses = rays  
come to a focus ant<sup>e</sup> to retina,  
too great a convexity of crystalline  
lens. Eyes closed ear =  
tied so as to enable rays to  
fall on centre of lens & not so  
much on circumference.

Must use here double  
Concave lens = D = to disperse  
the rays.

Presbyopia = too little refract<sup>n</sup>  
power on the part of the media,  
fr. too little density of humor  
or too little convexity of lens -  
rays not brought to a focus.  
Said enough - use double



Convex lens to bring rays to a focus. The image drawn on a screen behind the lens is inverted, owing to rays through circumference being more refracted than those passing through centre. (This impression is not so much a picture as a mental condition or impression - hence we see things in the erect position & not inverted) We naturally call that top to wh. we have to look upwards. When a ray of light falls on the retina the impression is projected forward in the direction of a perpendicular to the point impressed.

Single vision with two eyes - owing to the partial decussation of optic commissure - the left side of either eye receives fibres fr. same nerve - ditto the right side of either eye. When rays of light fall directly



upon the optic nerve they are not perceived, because there is none of that vesicular matter there or because action passes directly through the centre of this foramen. The rays of light fr. one body if they impress a large surface of the retina may finally prevent our seeing a smaller body at wh. we may have been looking at.

### Complimentary Colors

Red — Green	{	If we look at any one of these colors till the retina is fatigued & then look away the opposite color is seen — hence <u>Spectres</u> &c.
Yellow — Violet		
Orange — Blue		

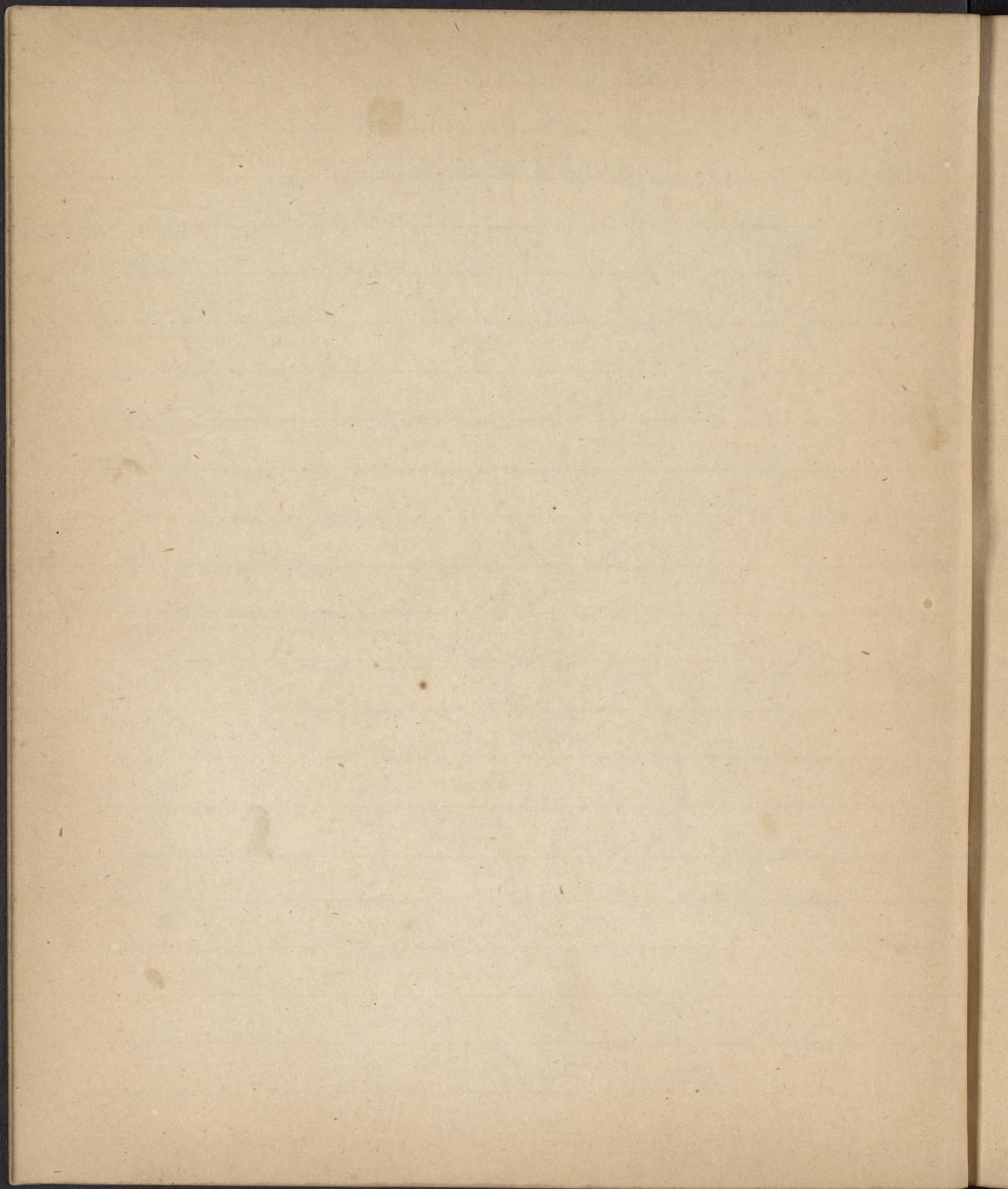
Inversed vision, due to changes taking place in the int<sup>l</sup> of the Nerv. Centres & taking an out =



ward direction produce sensation  
of vision in the ext<sup>l</sup> world -  
Subjection sensation.

Visual sensations hence are  
capable of being produced either  
by ext - or int - impressions.

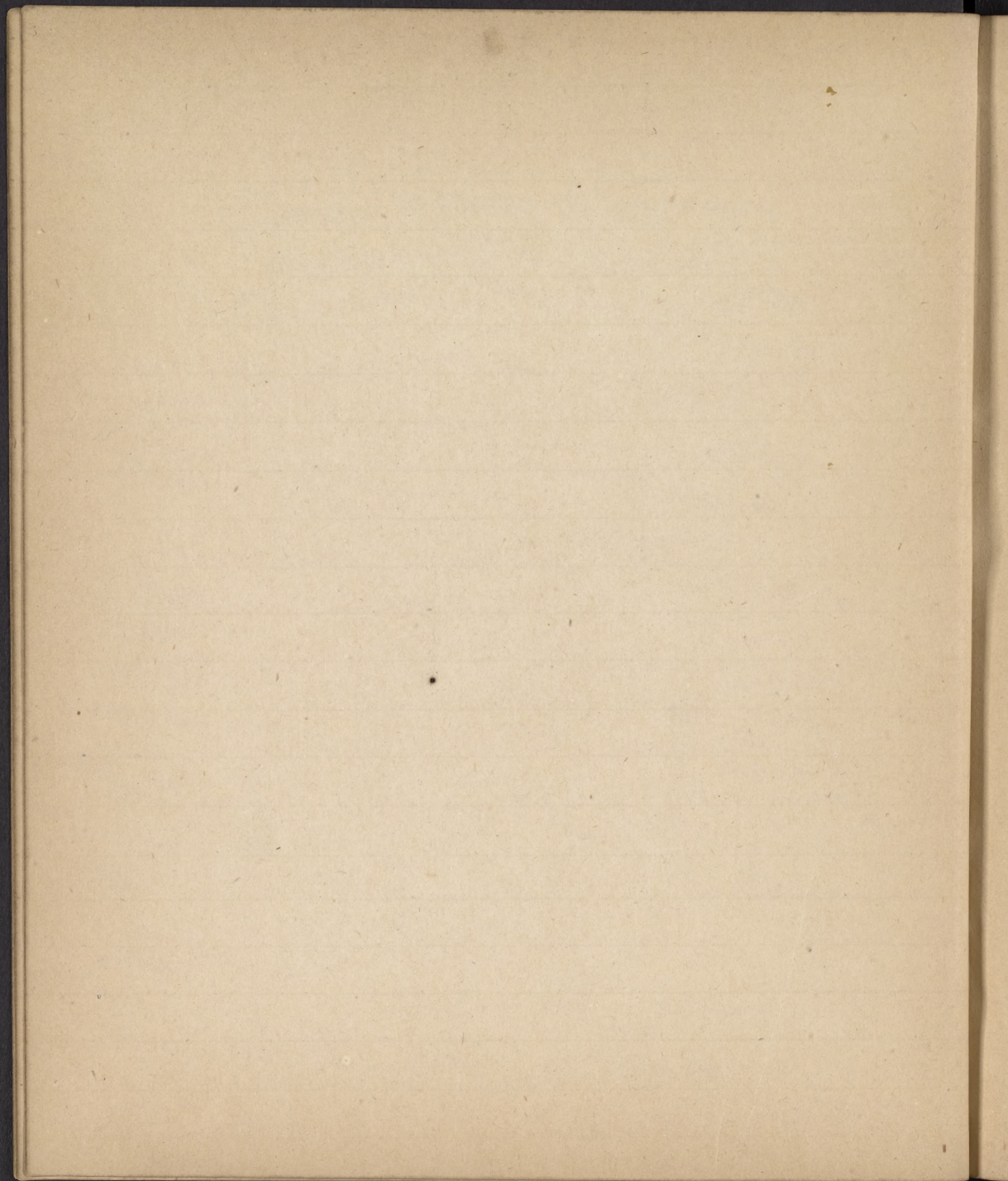








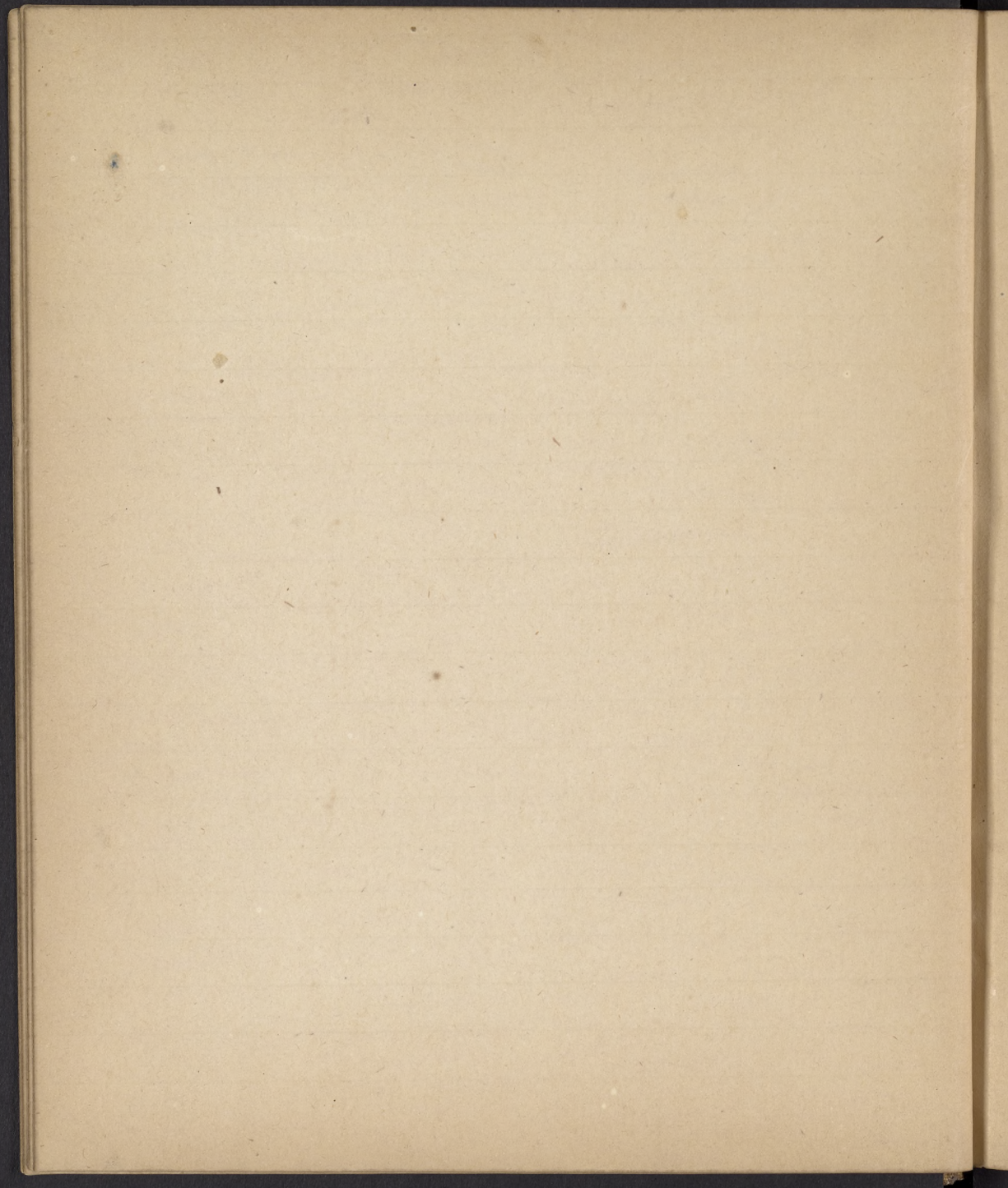








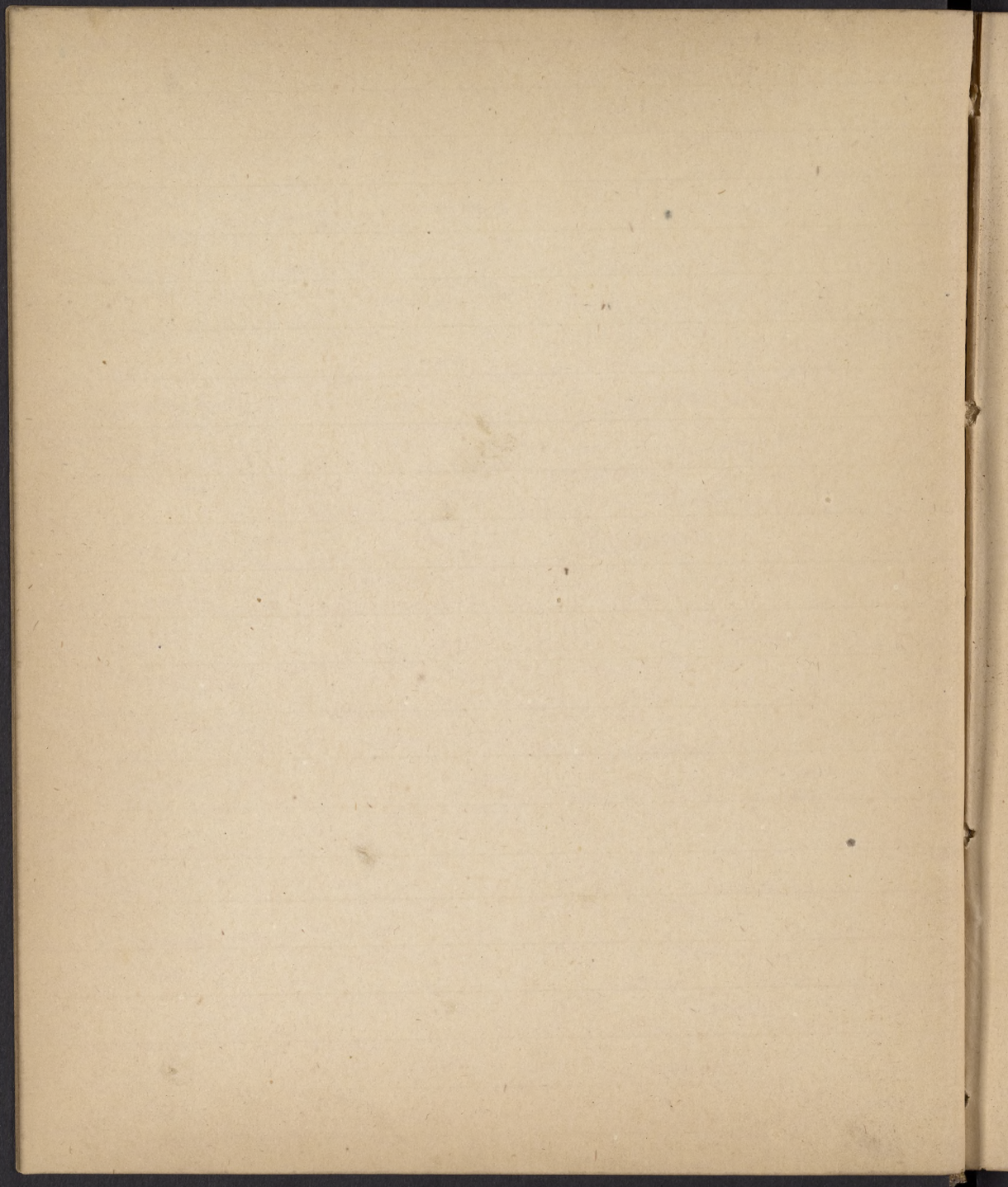








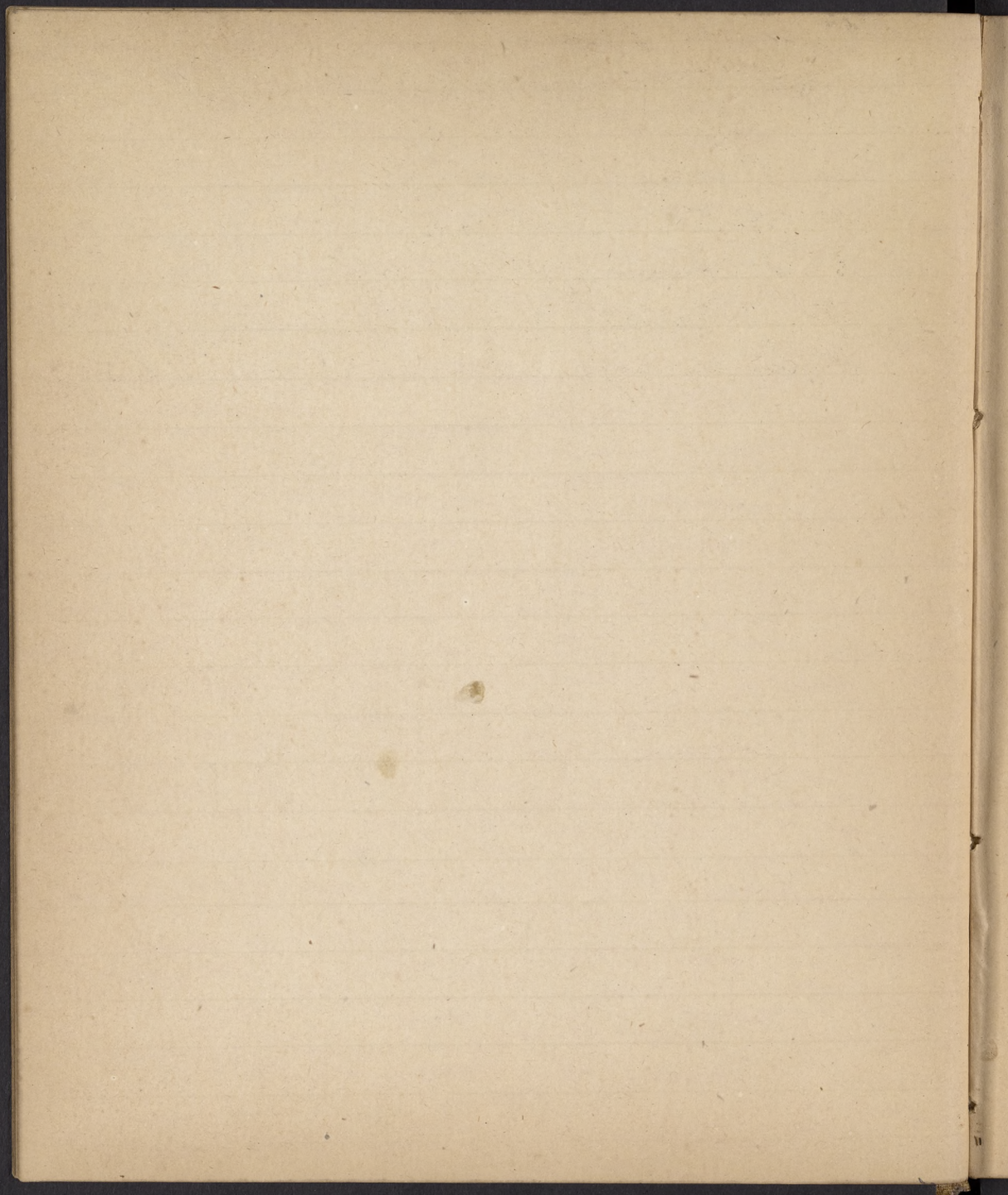














Dr in the family.

29

Dr James Chustow

Dr James Murray

Dr Caspar Morris

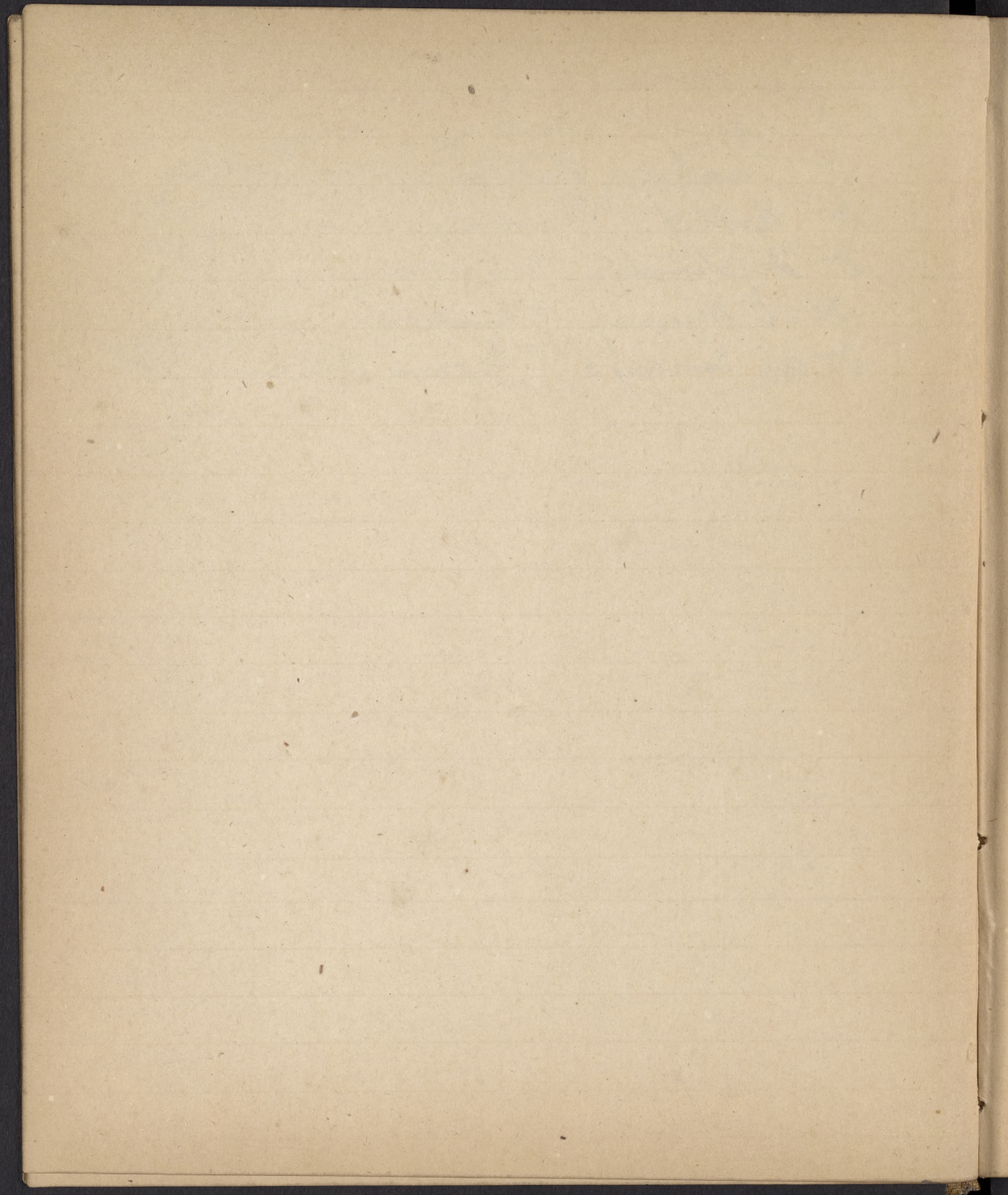
Dr Robert Murray.

Dr J Chustow Morris

Dr J Murray Chustow

Dr in Embryo C Morris Chustow. Total 7.

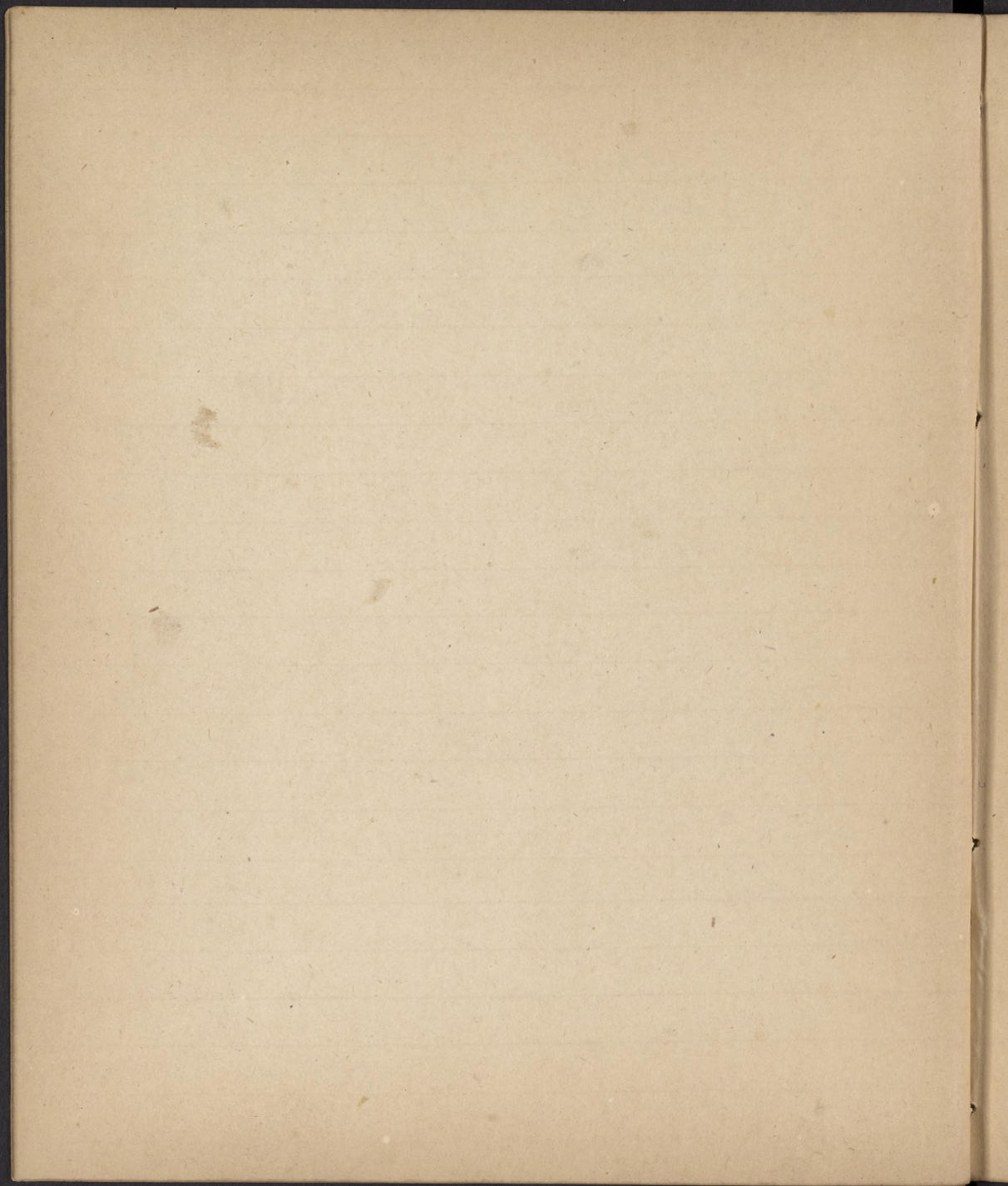








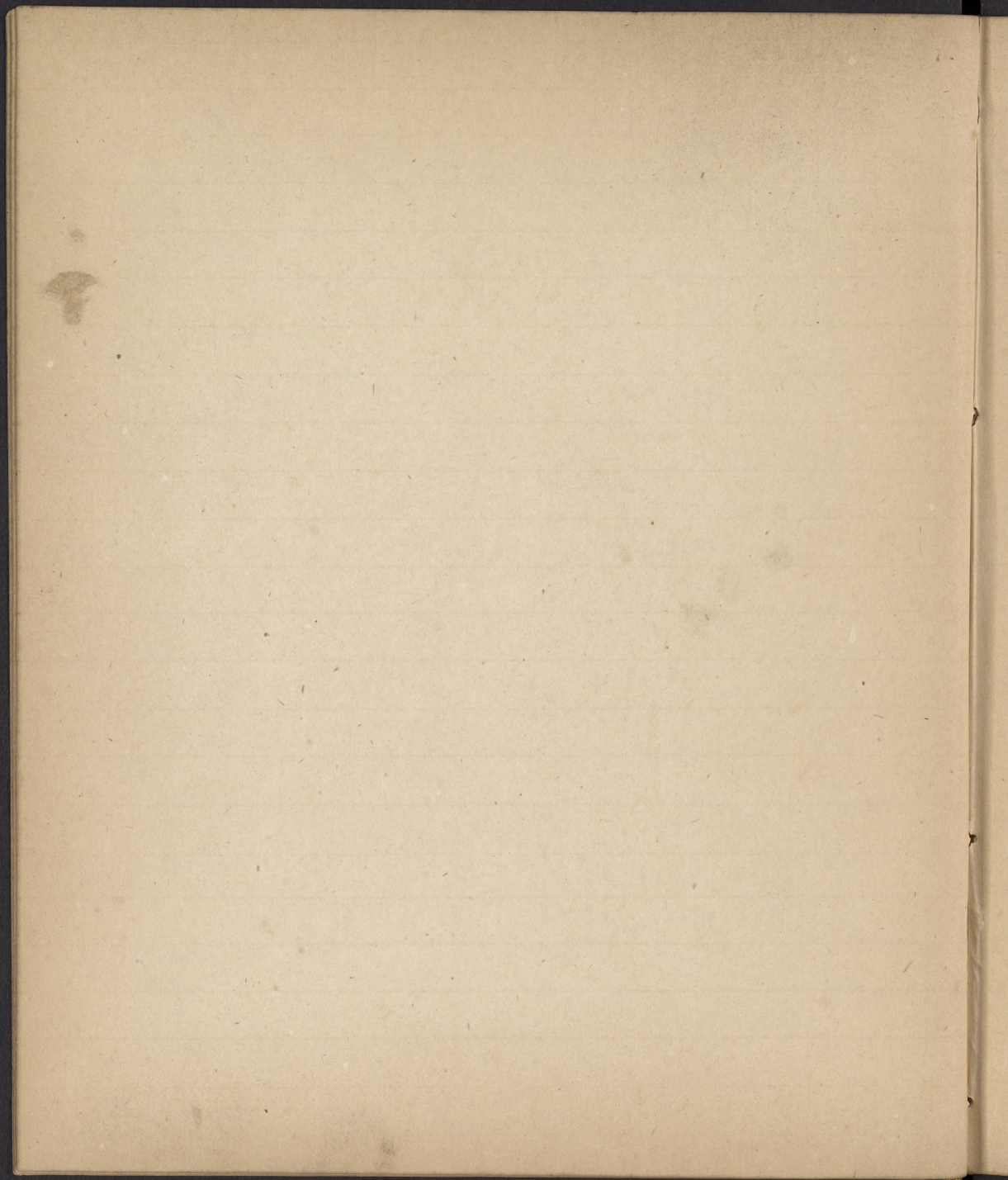








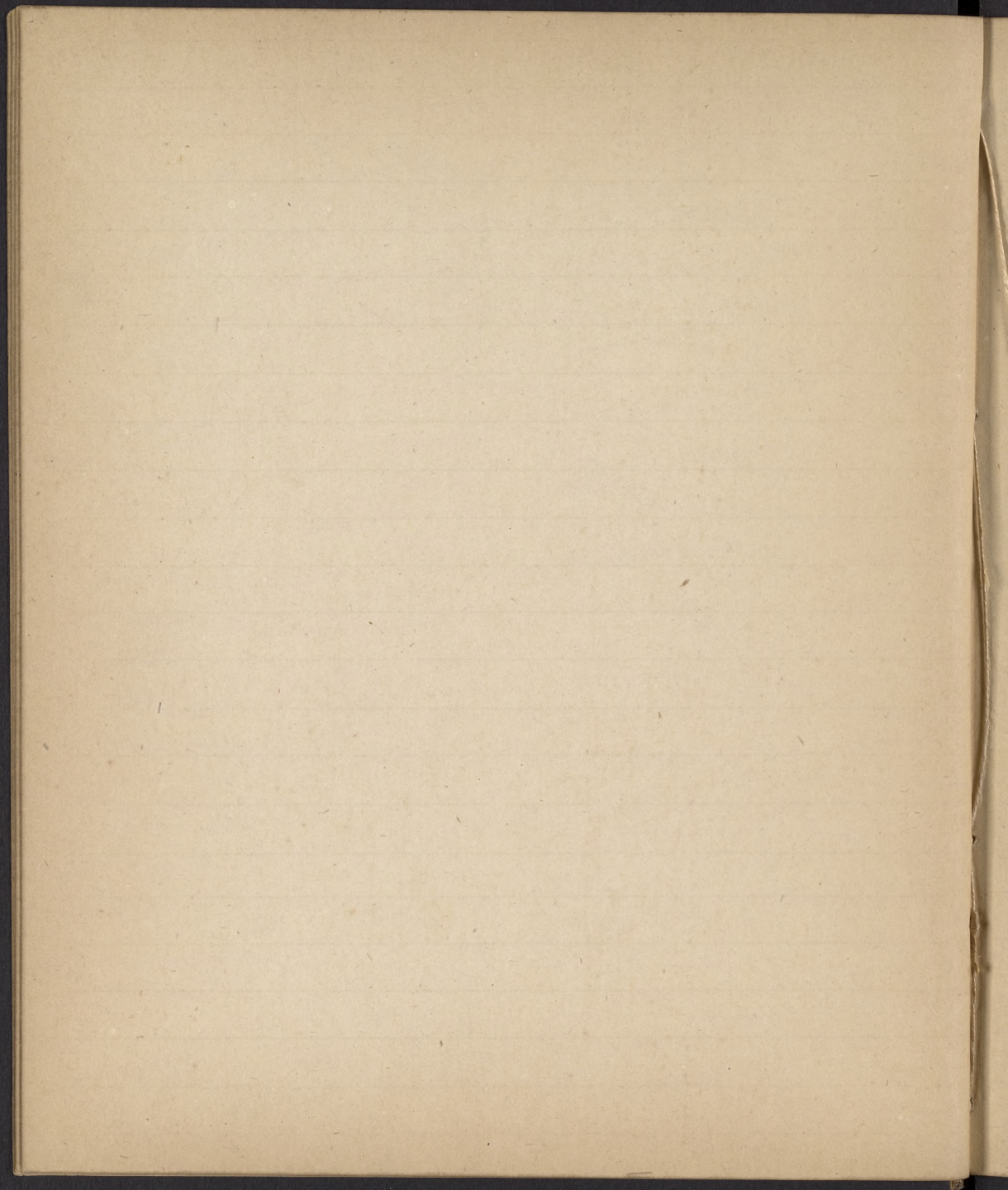








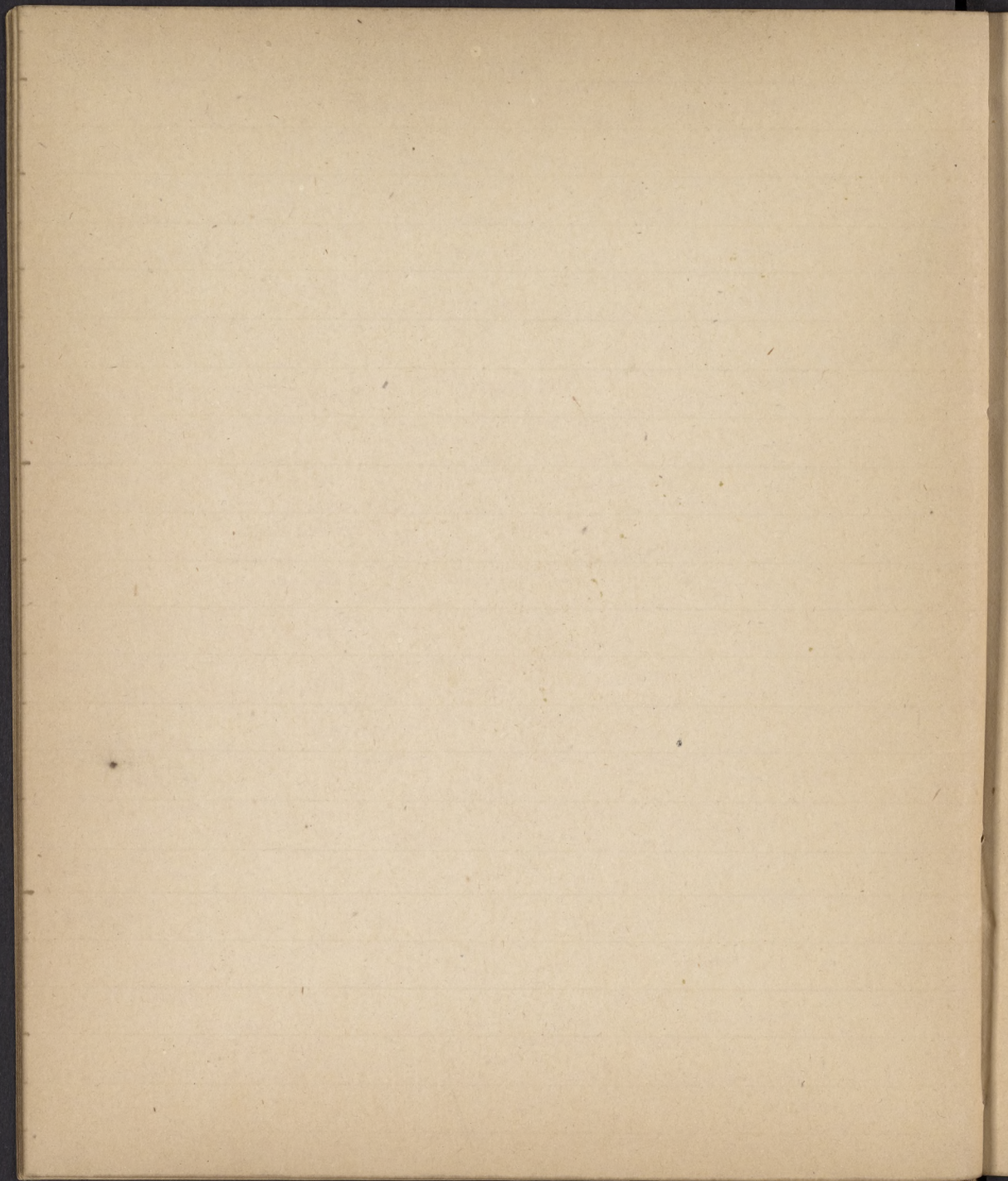




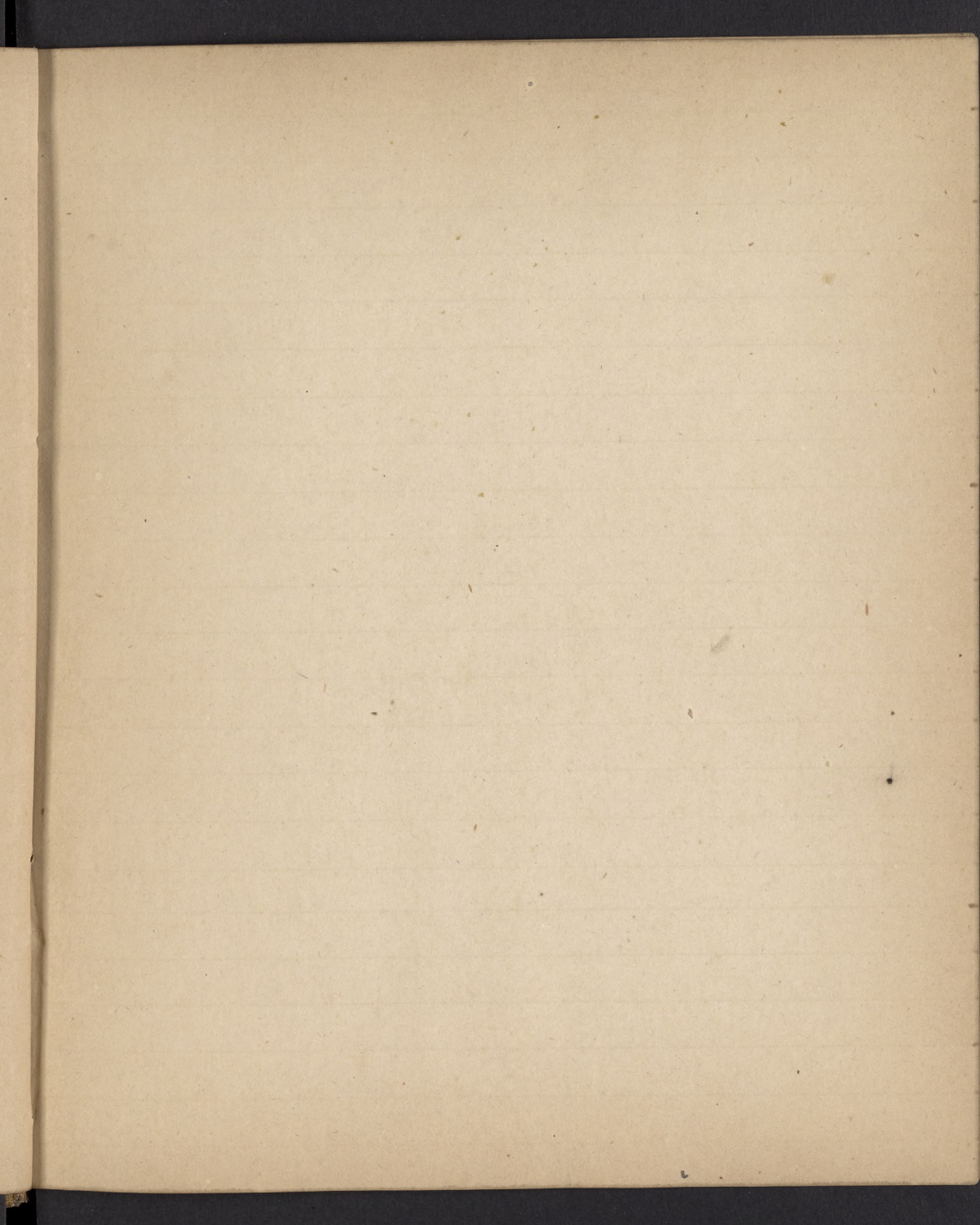




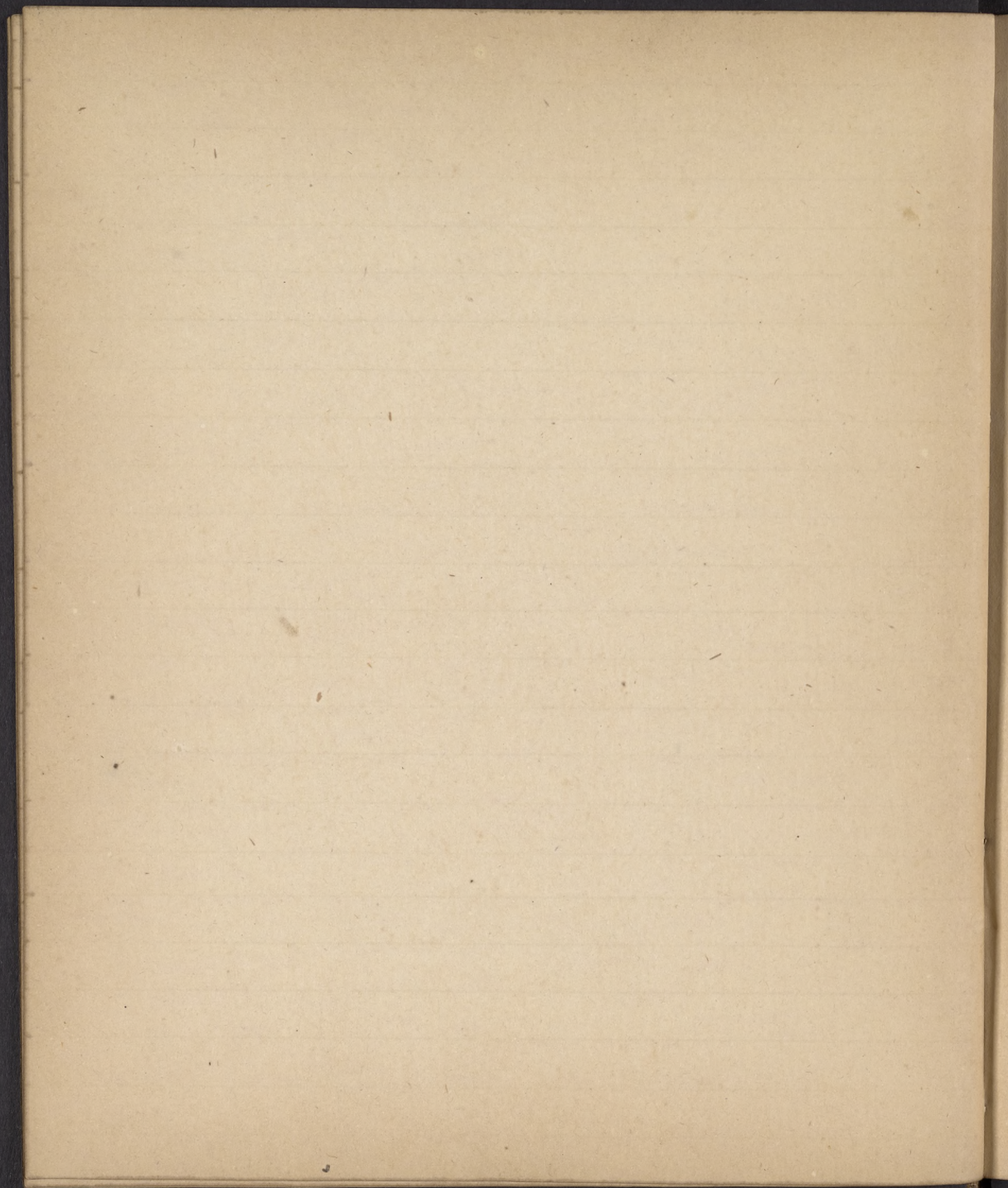




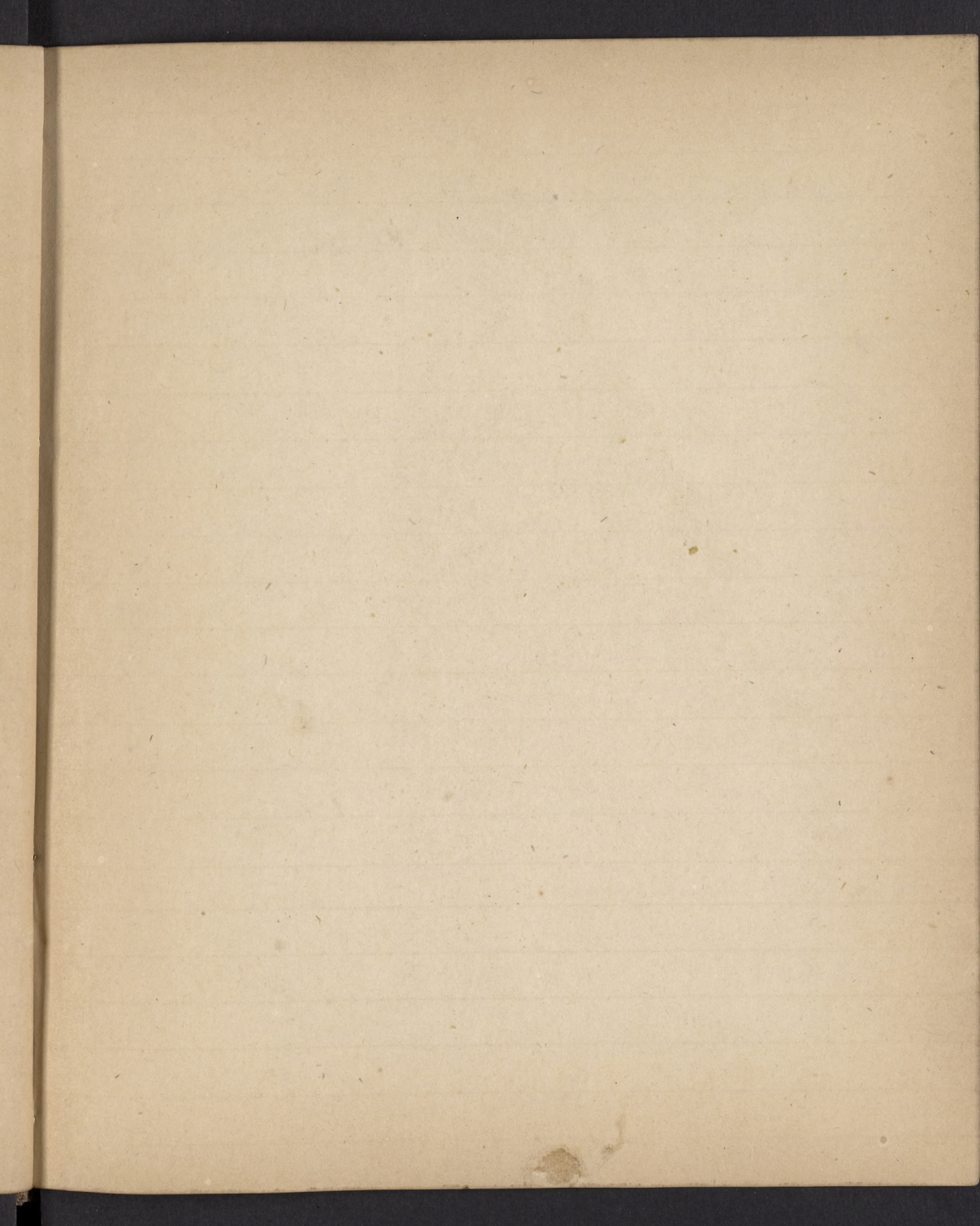




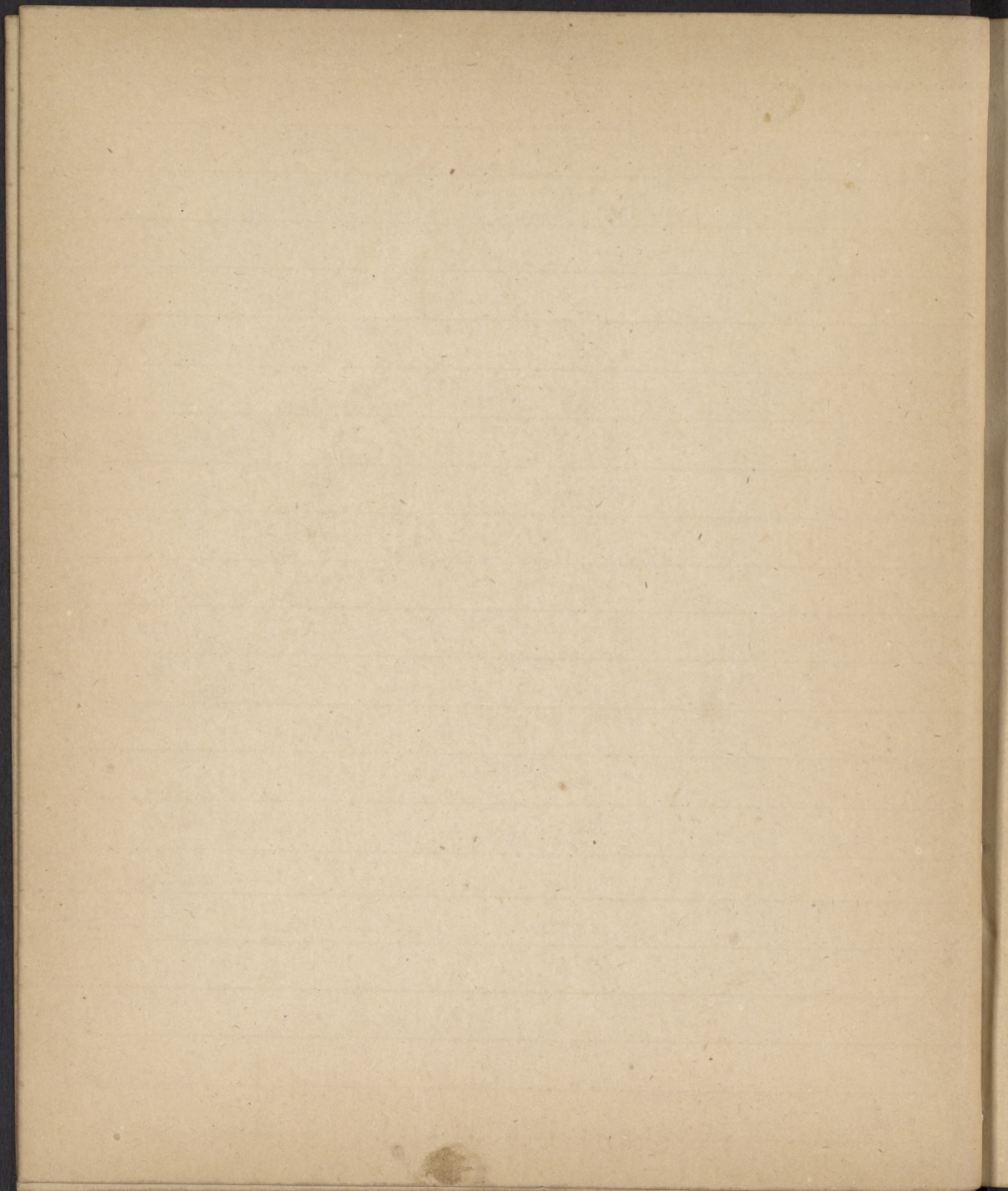




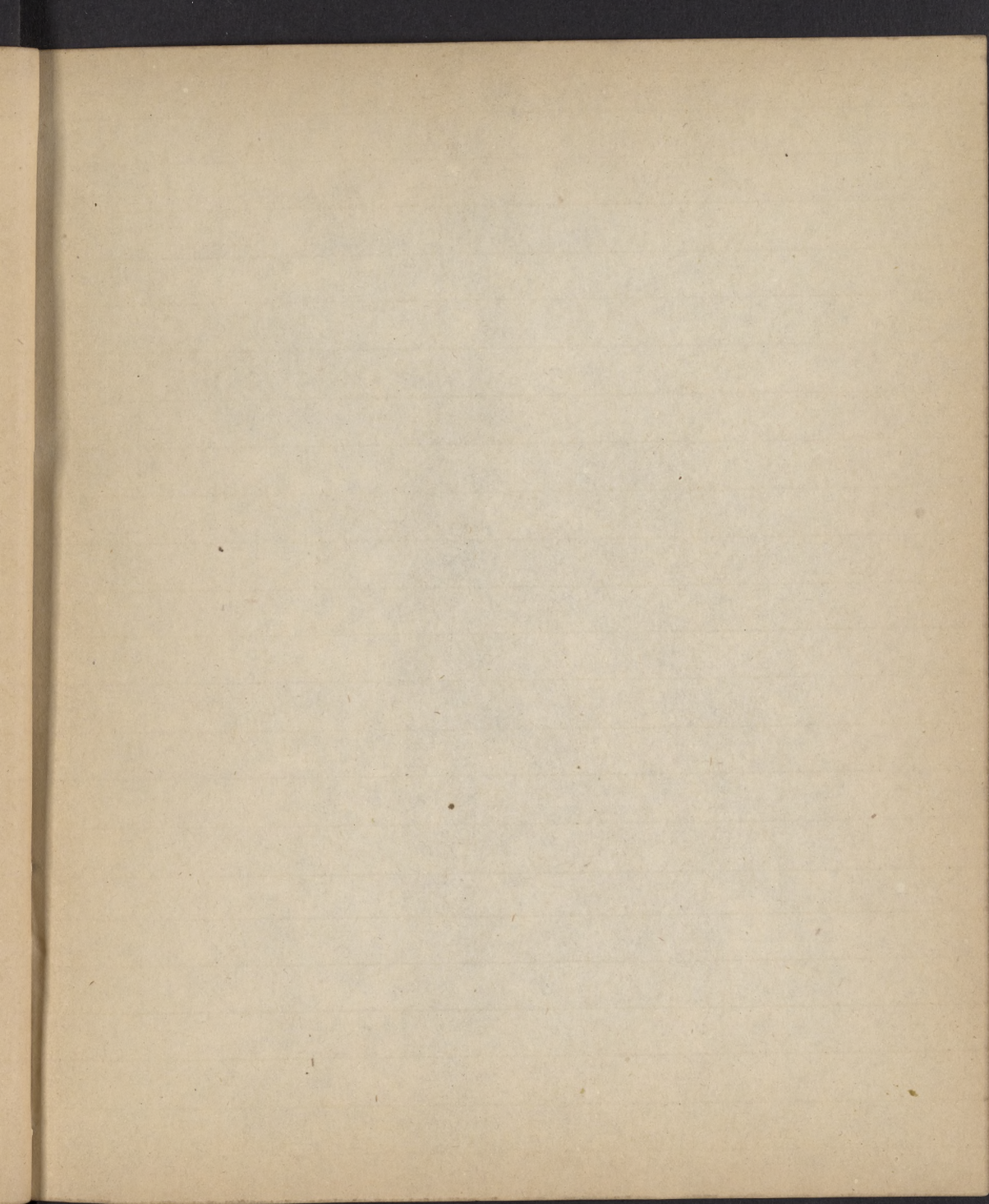




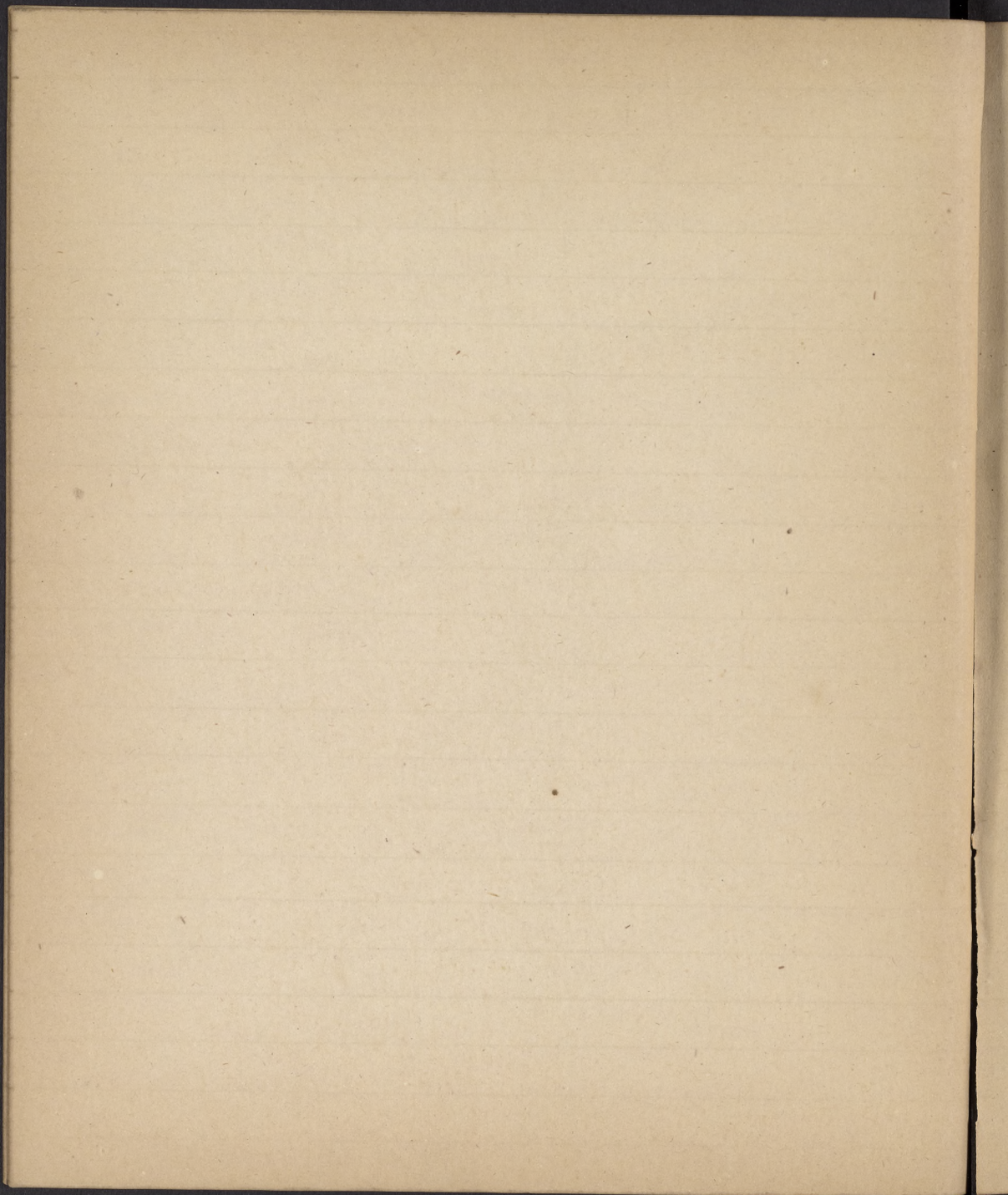








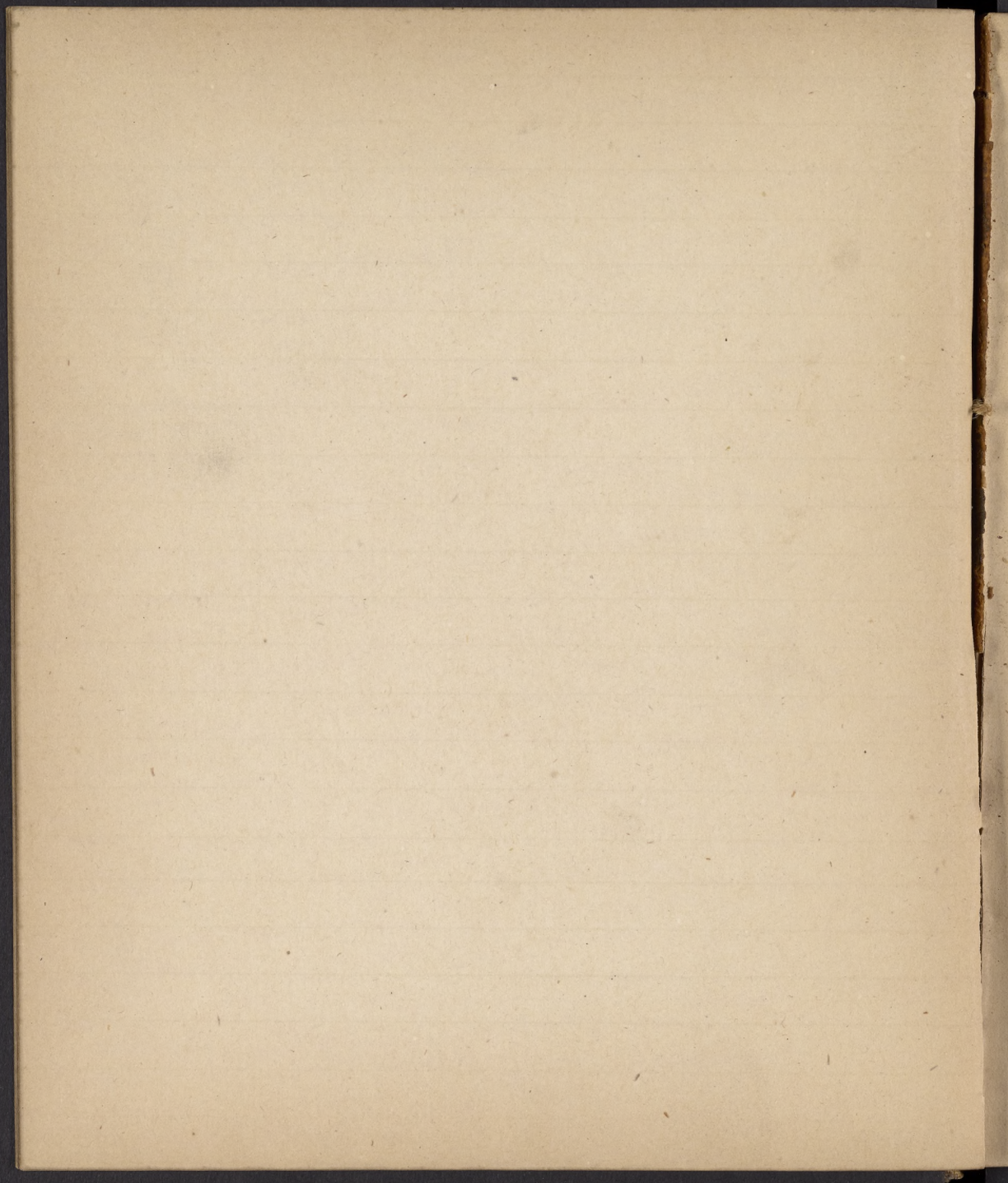




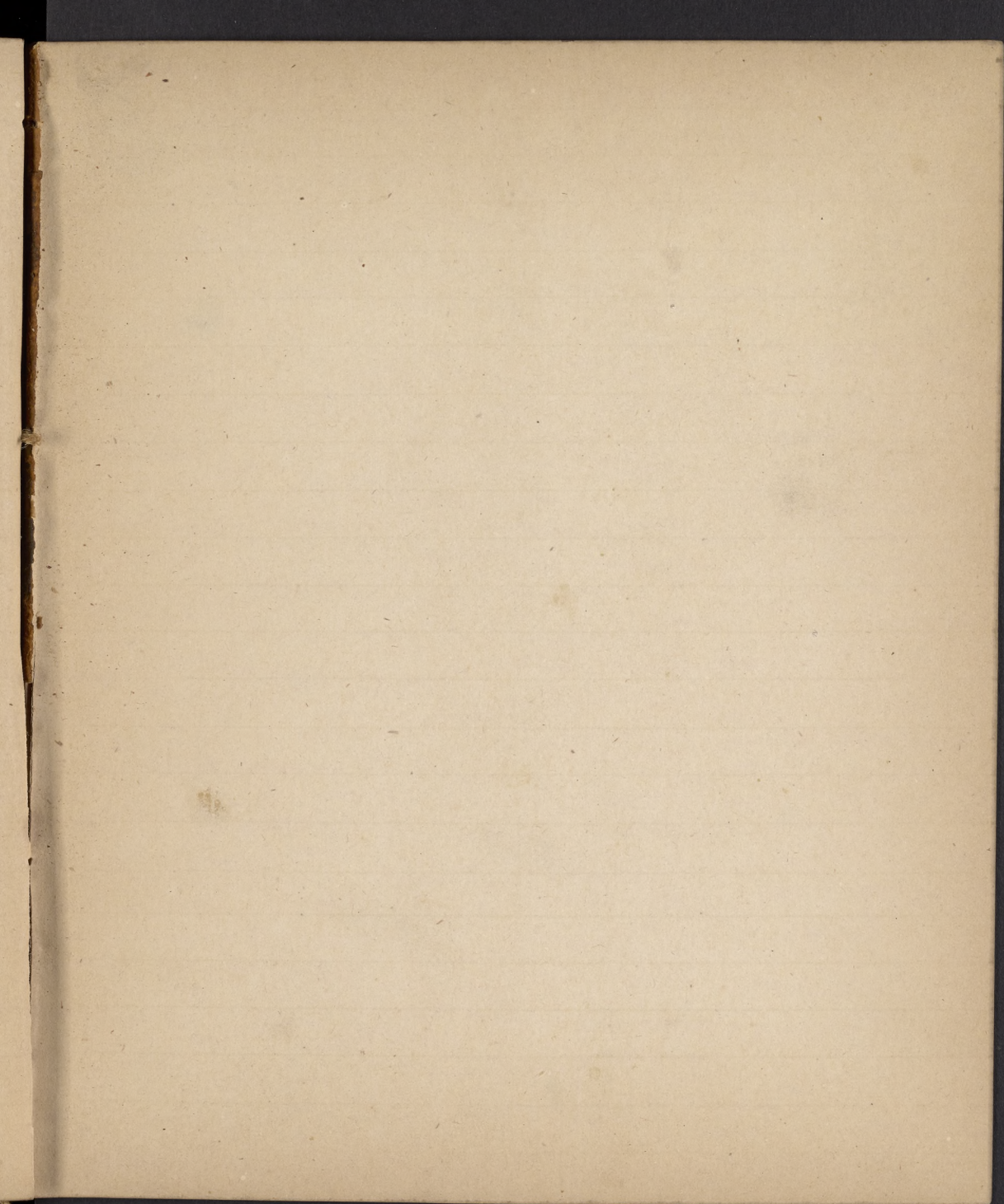




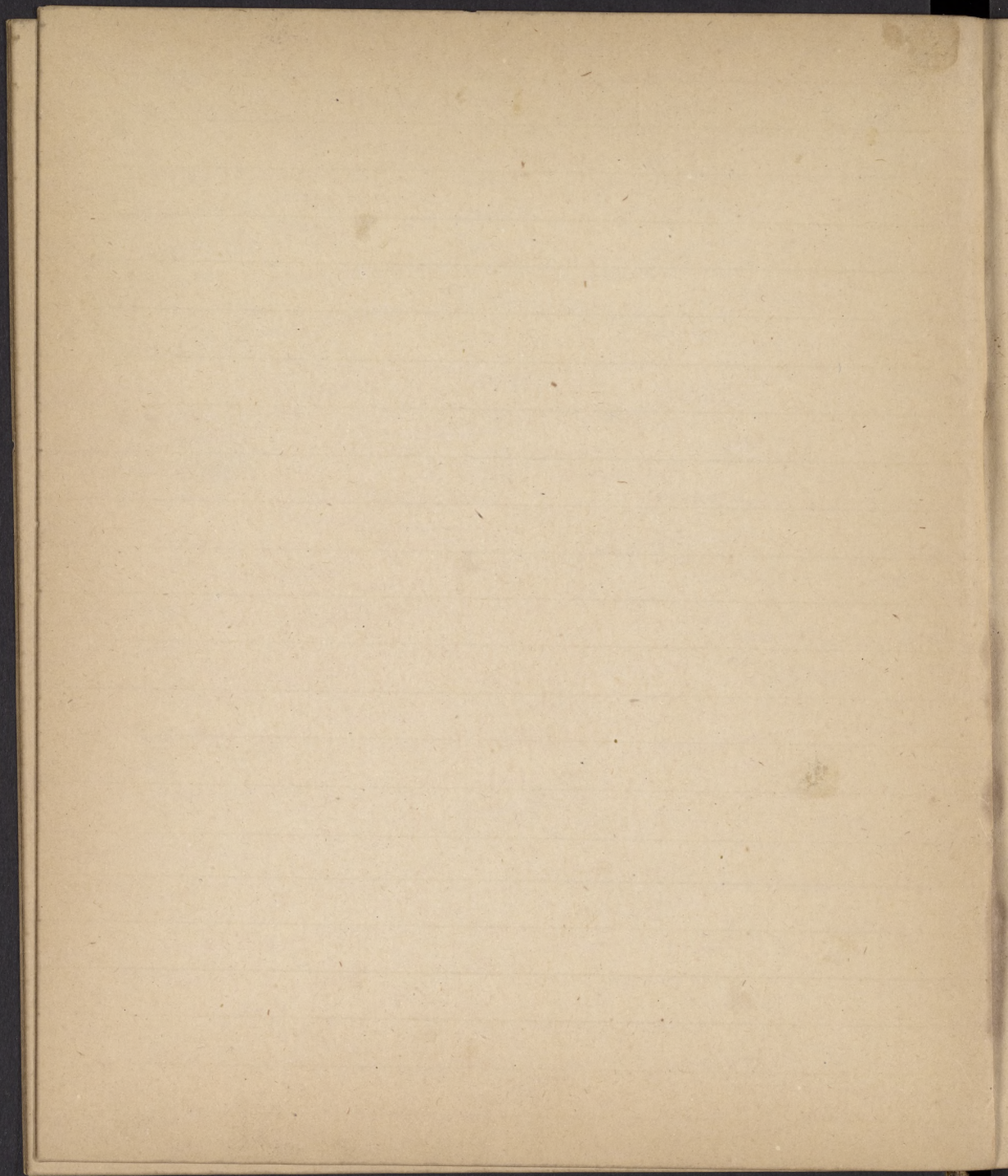




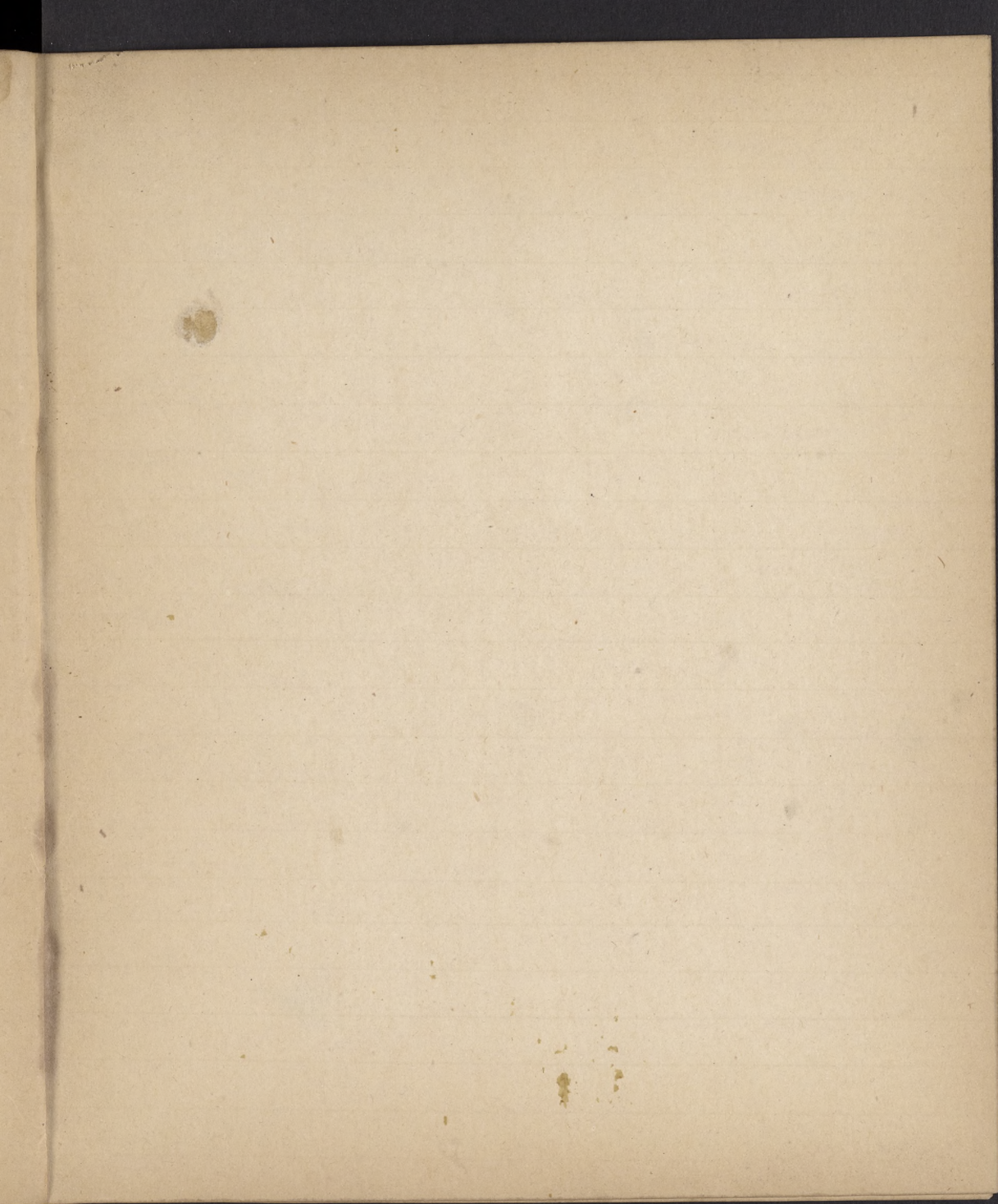




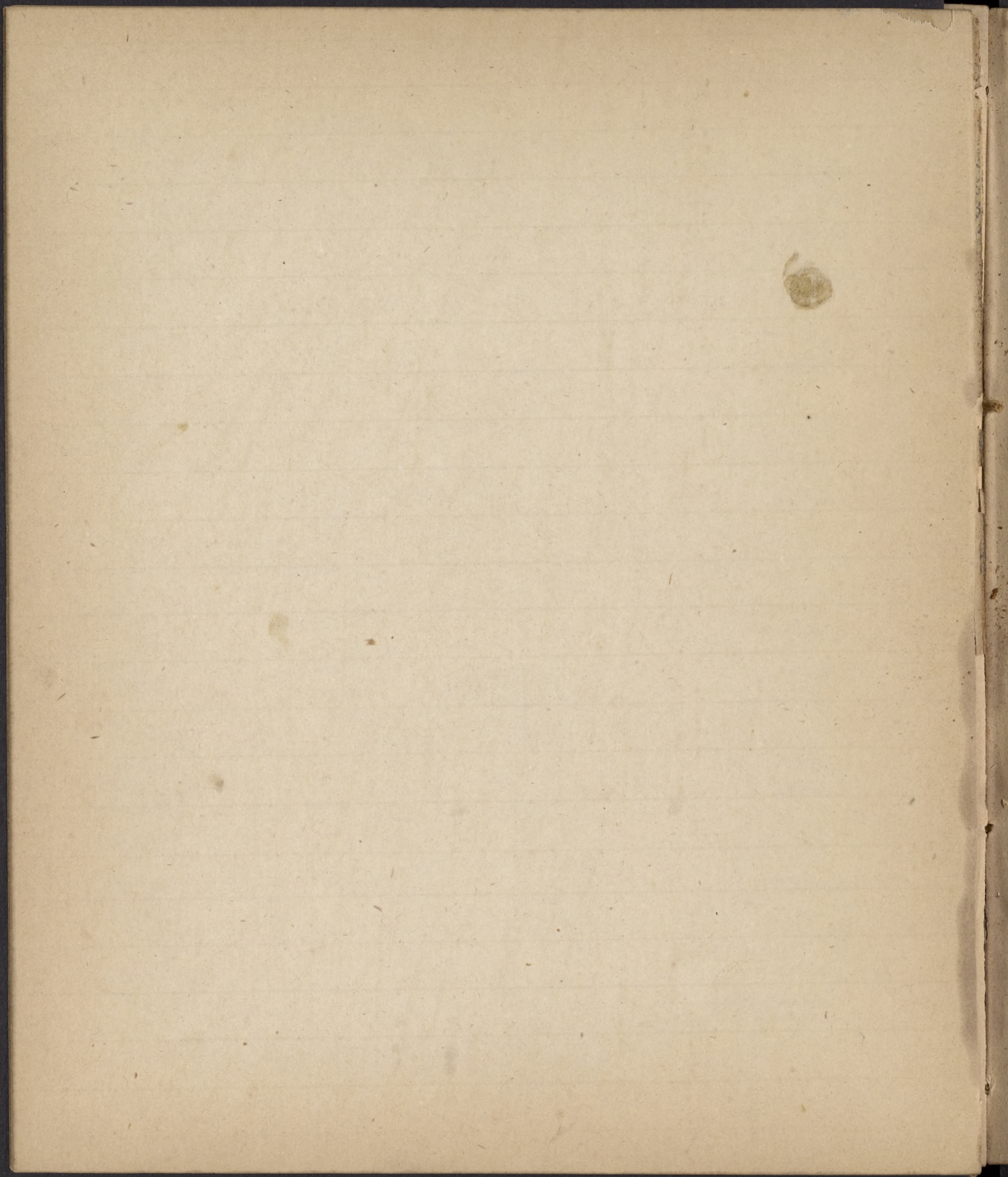




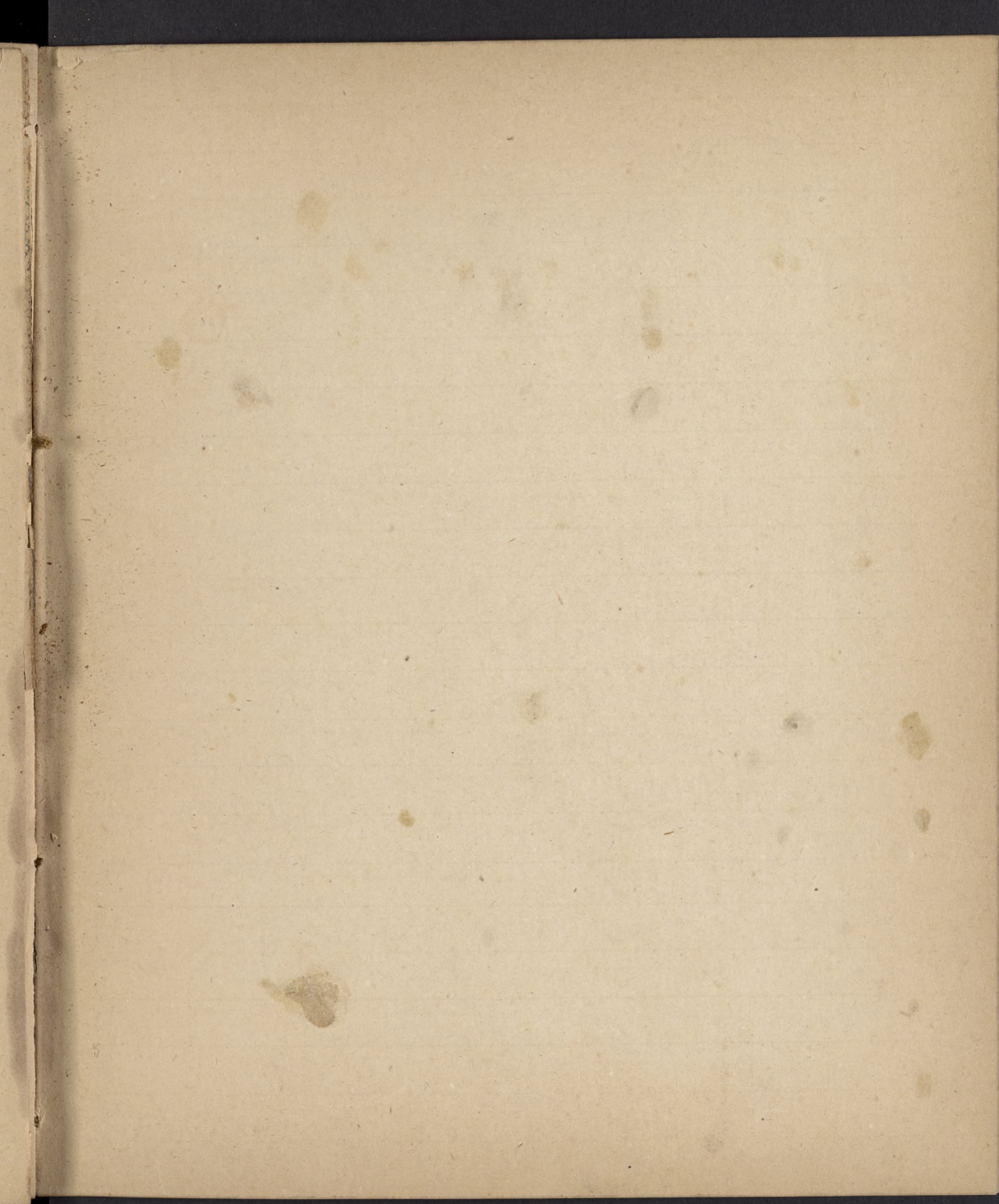




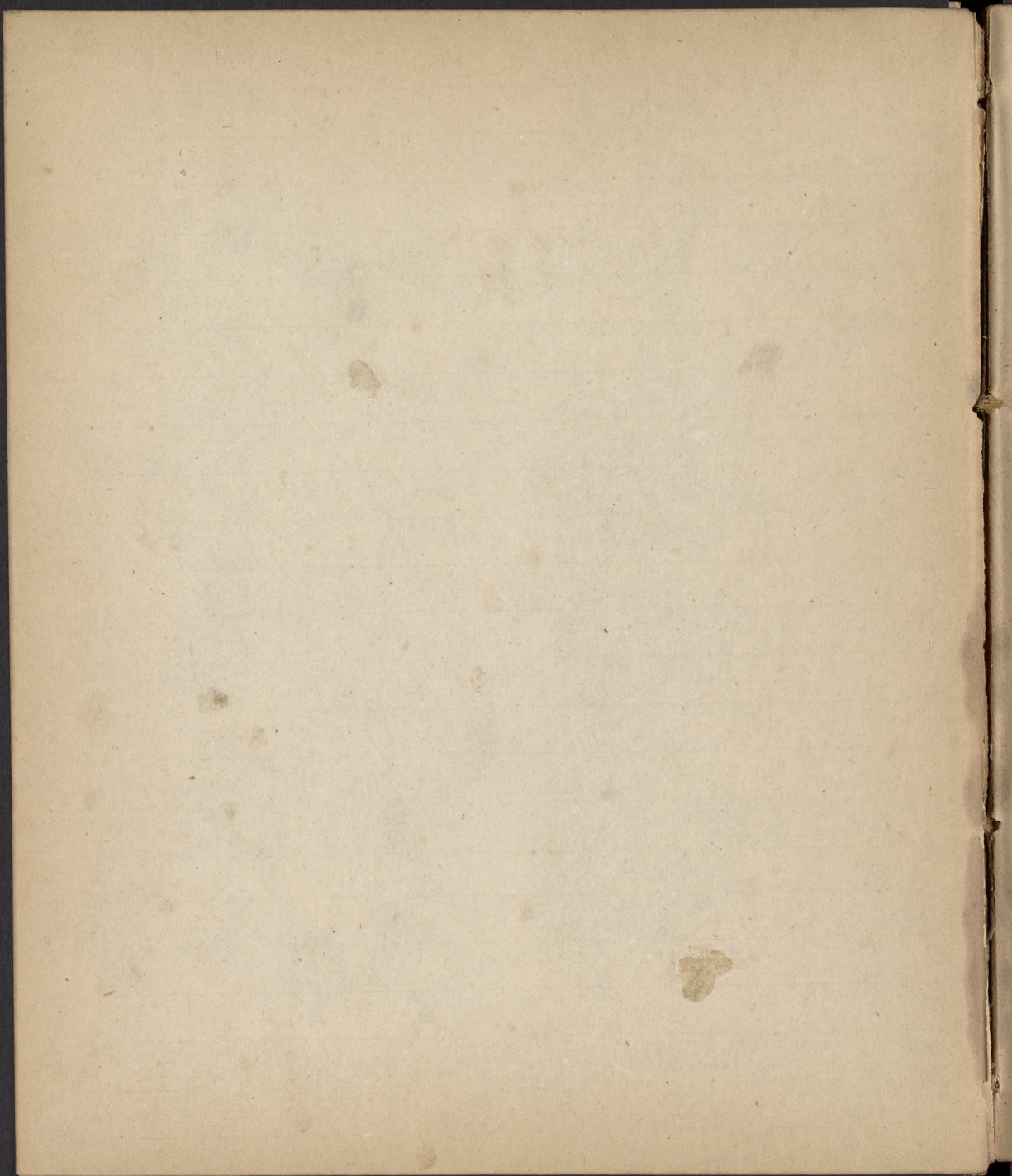




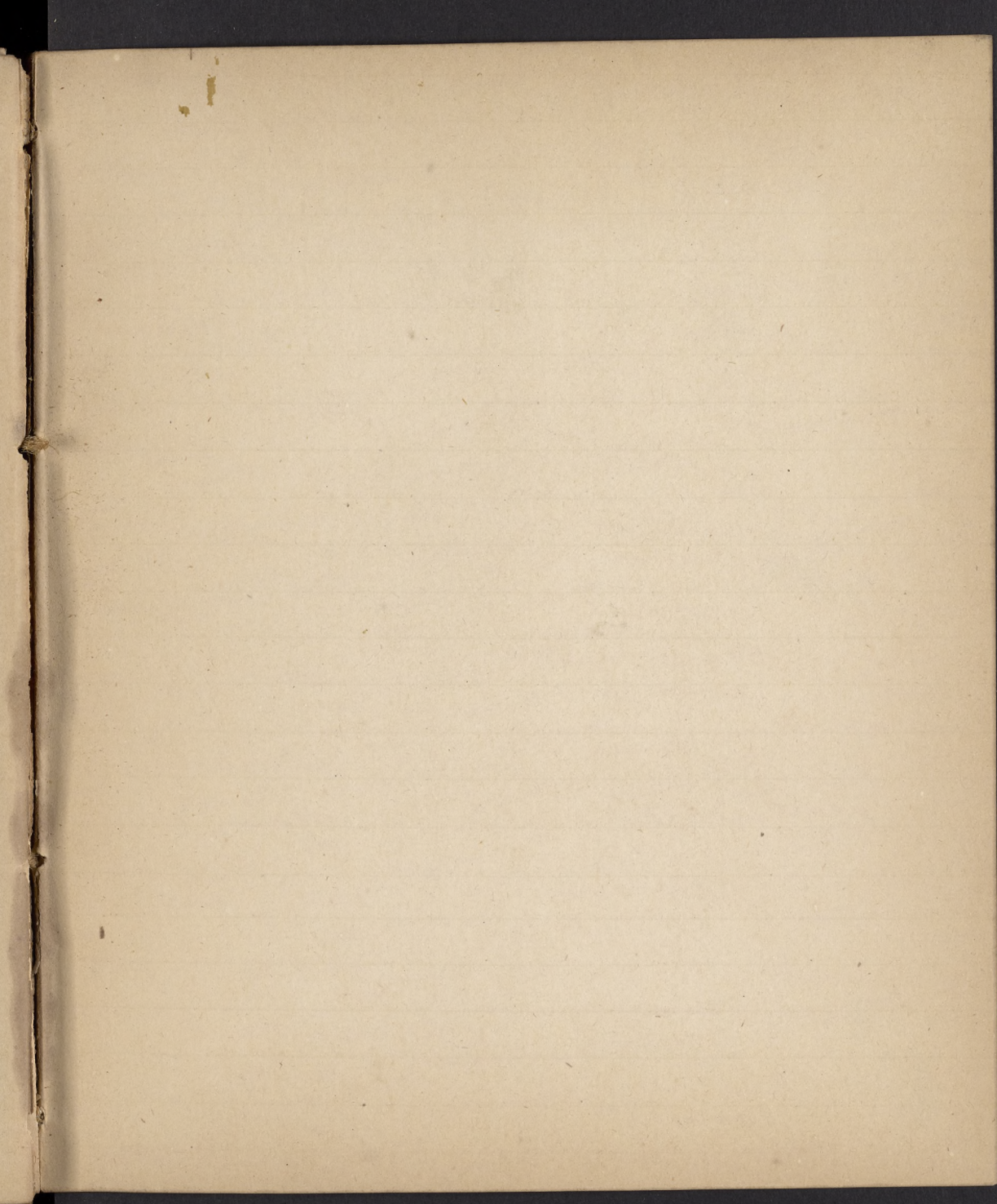




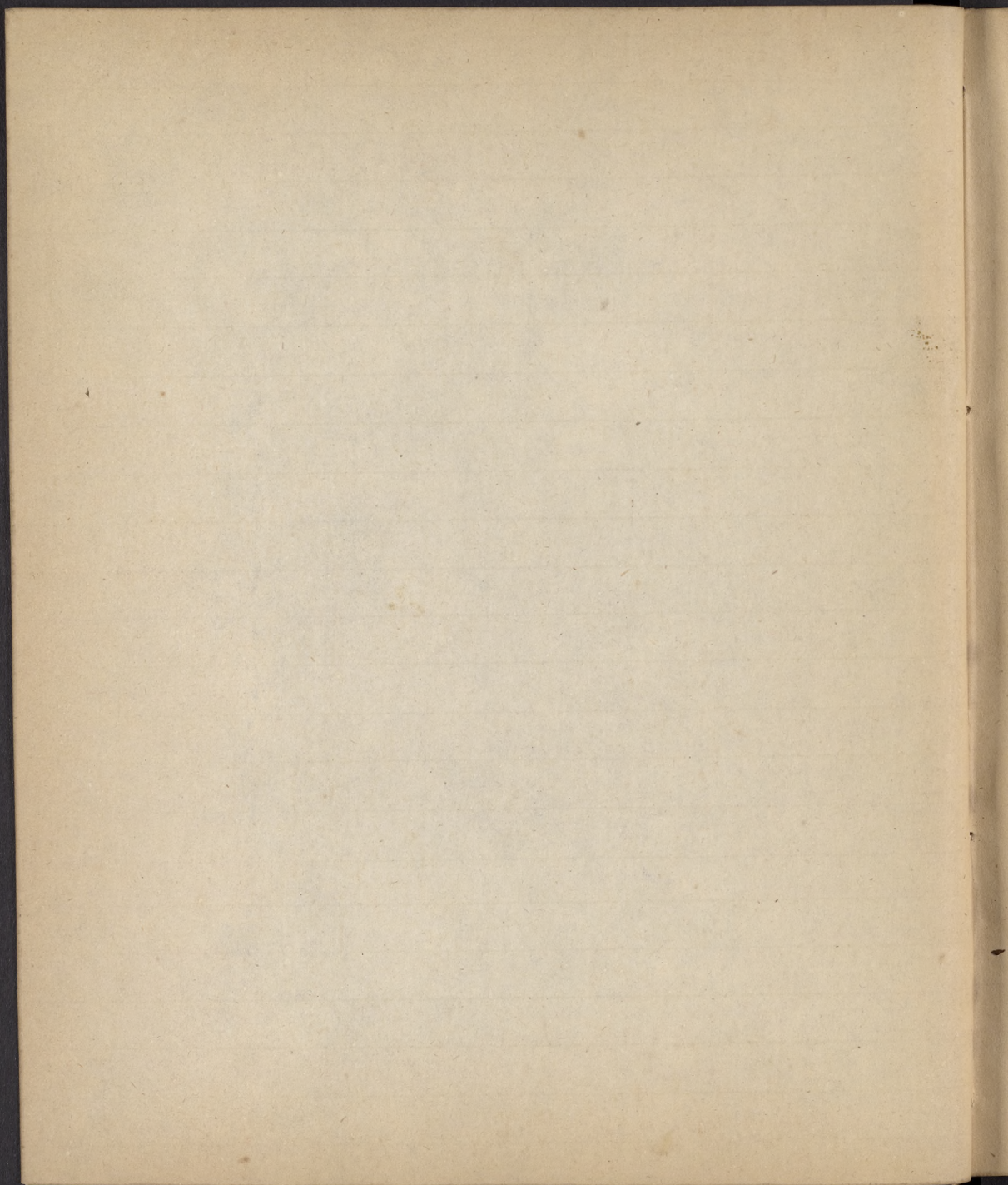




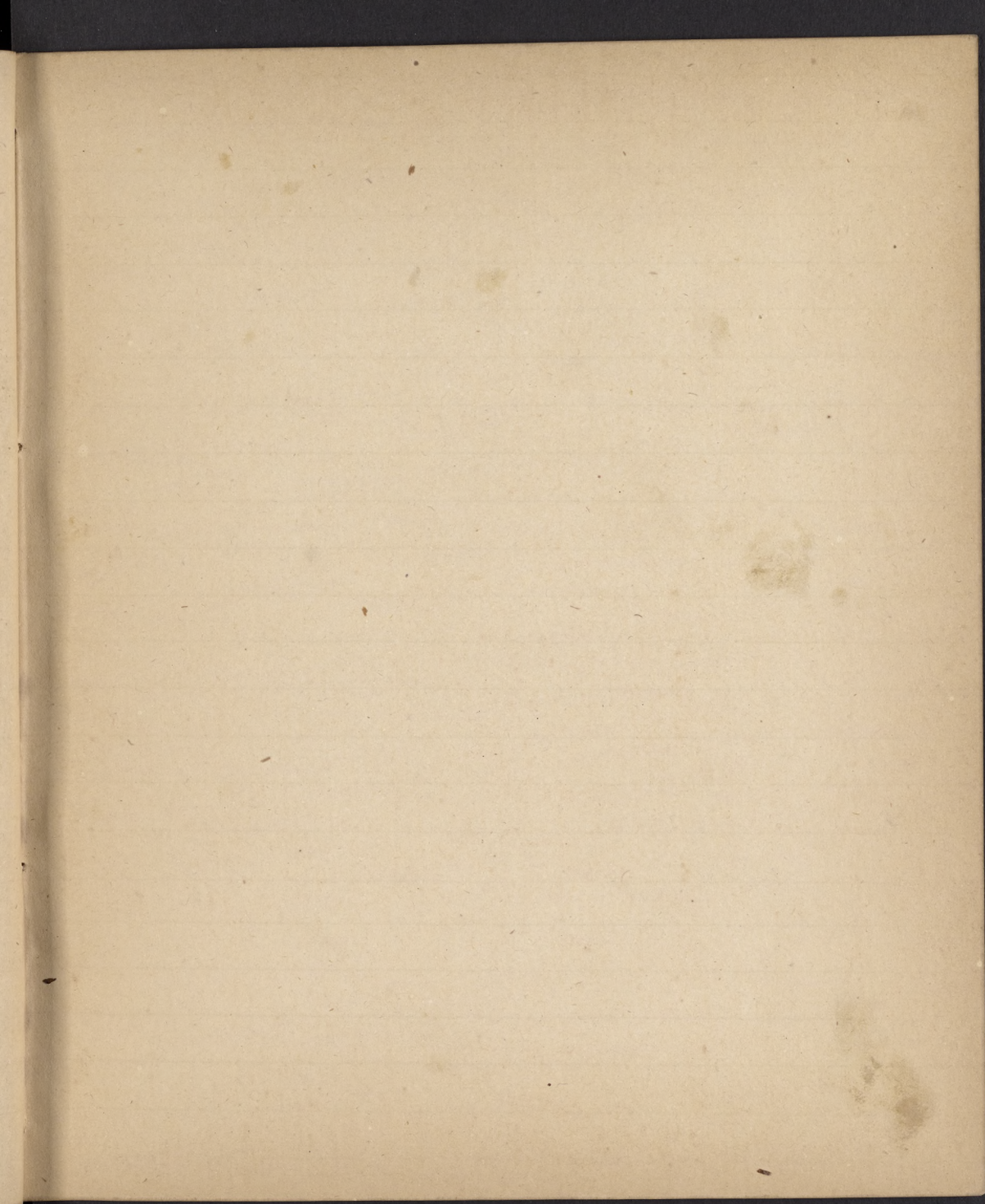




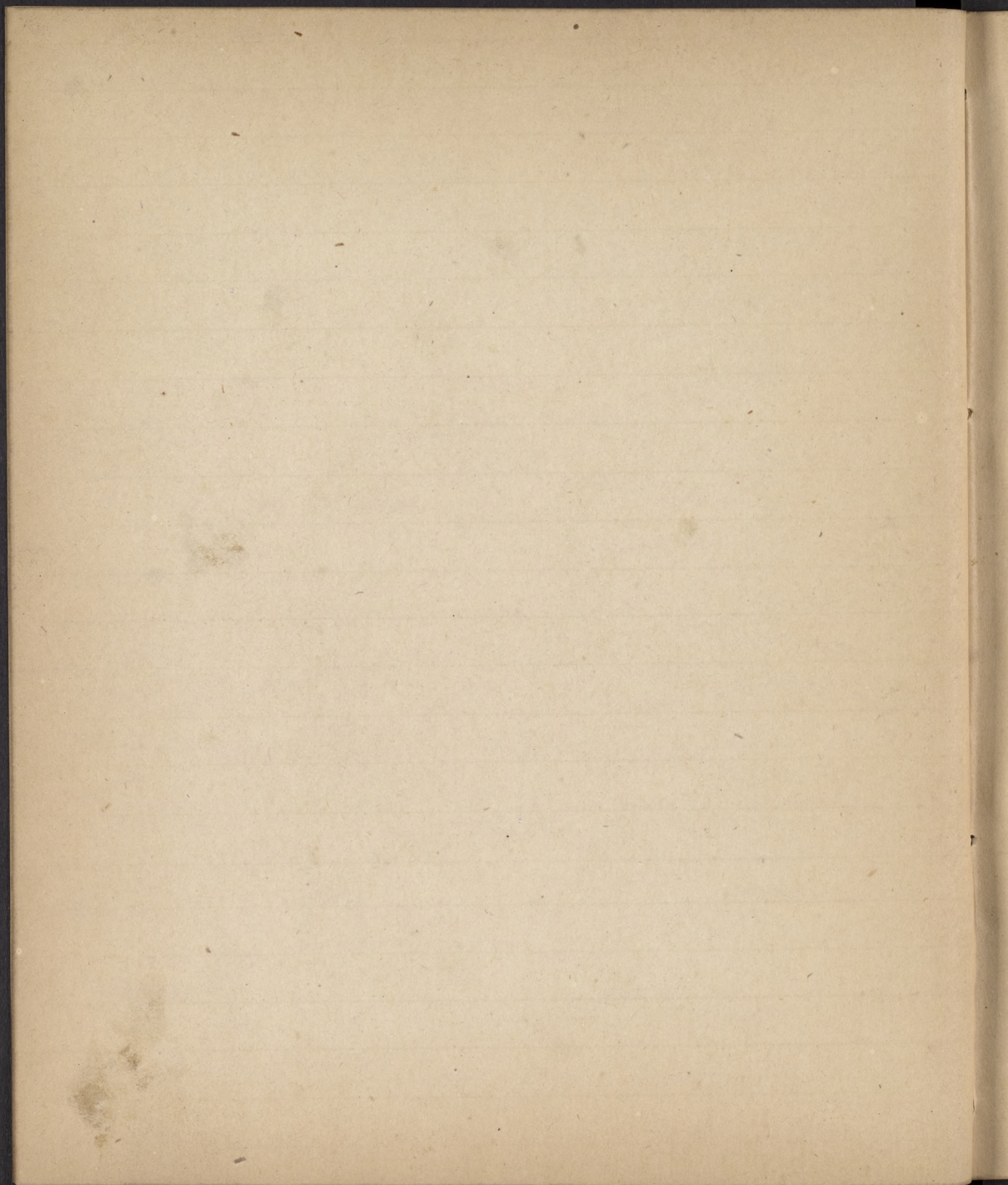




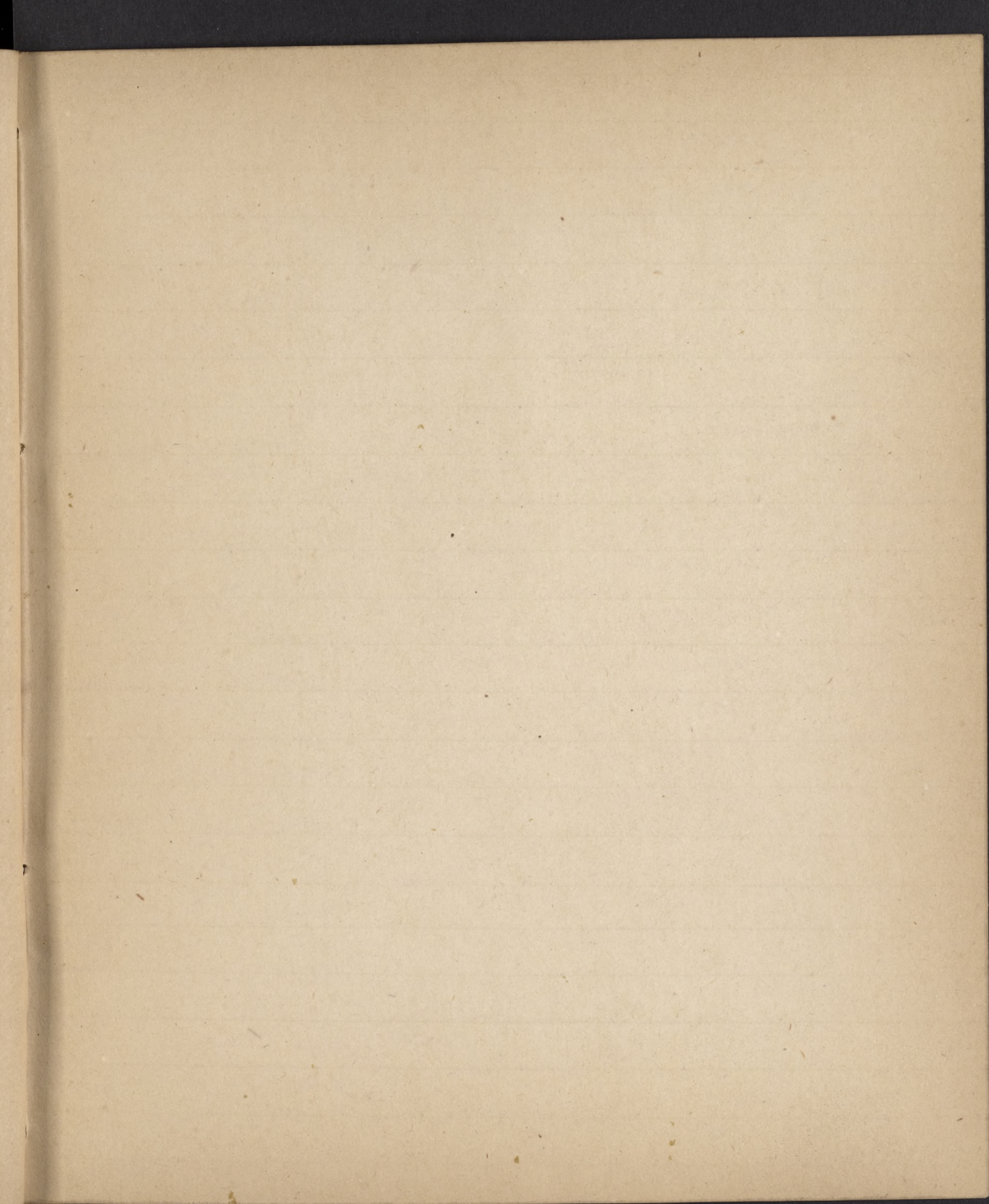




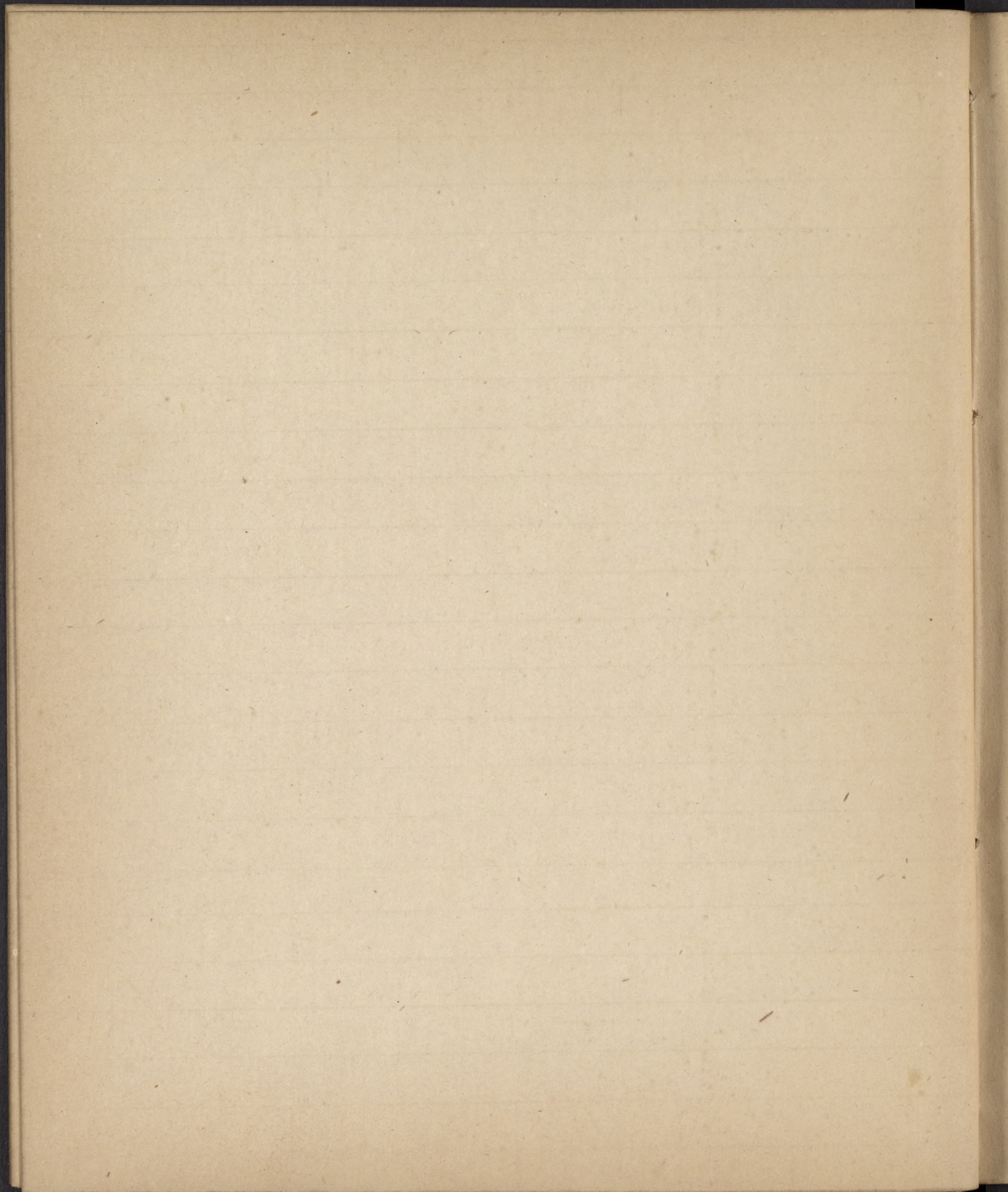




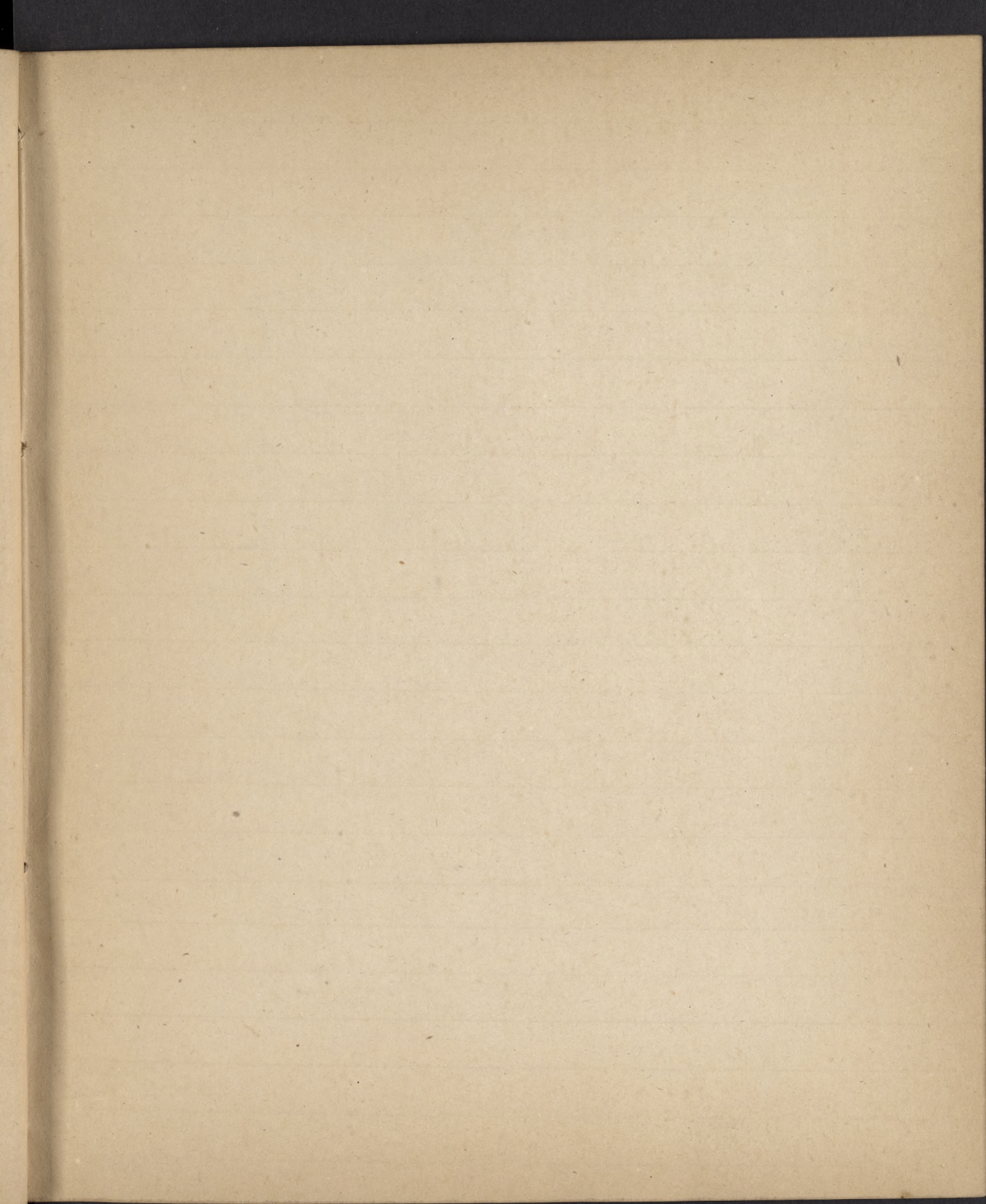




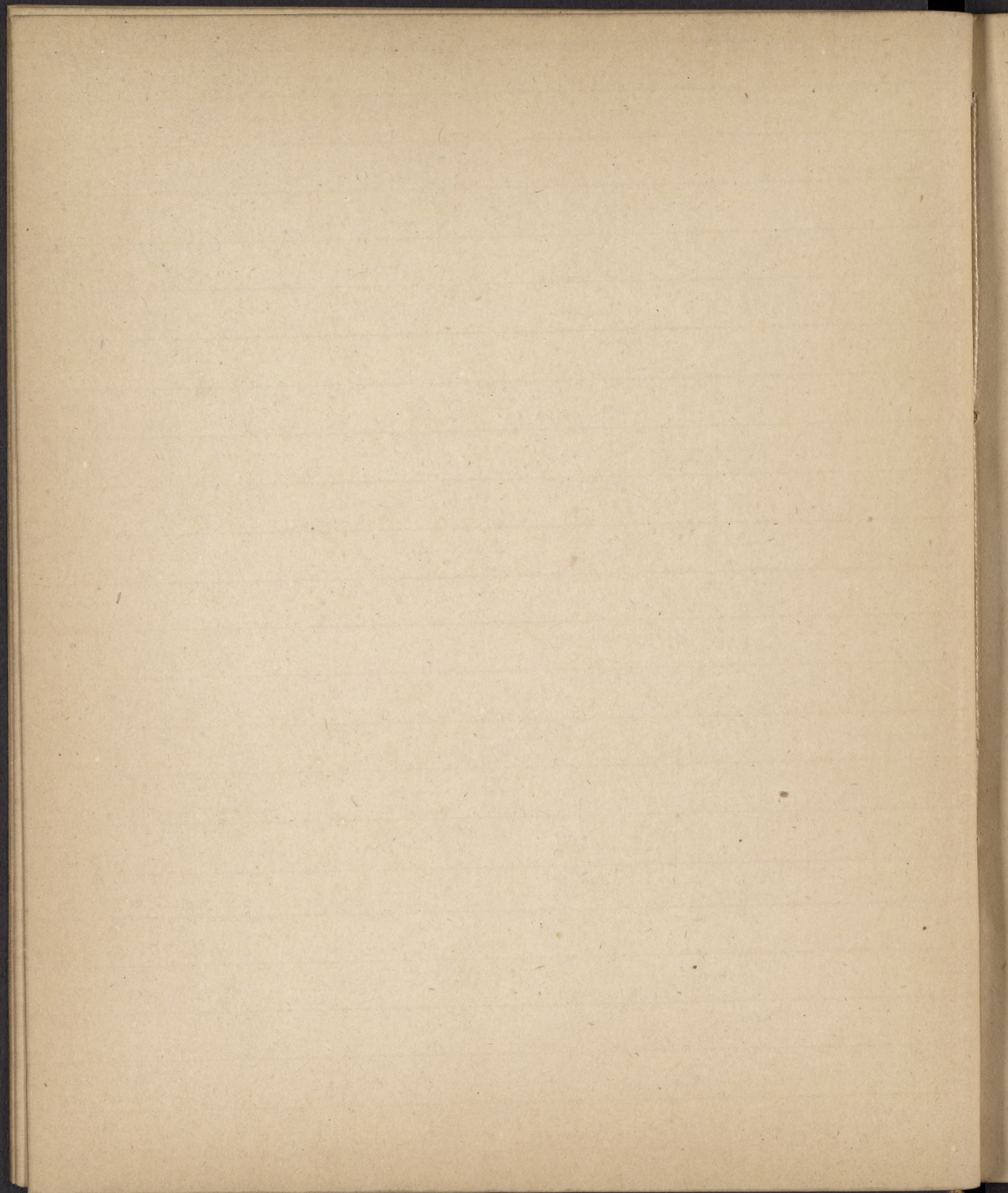




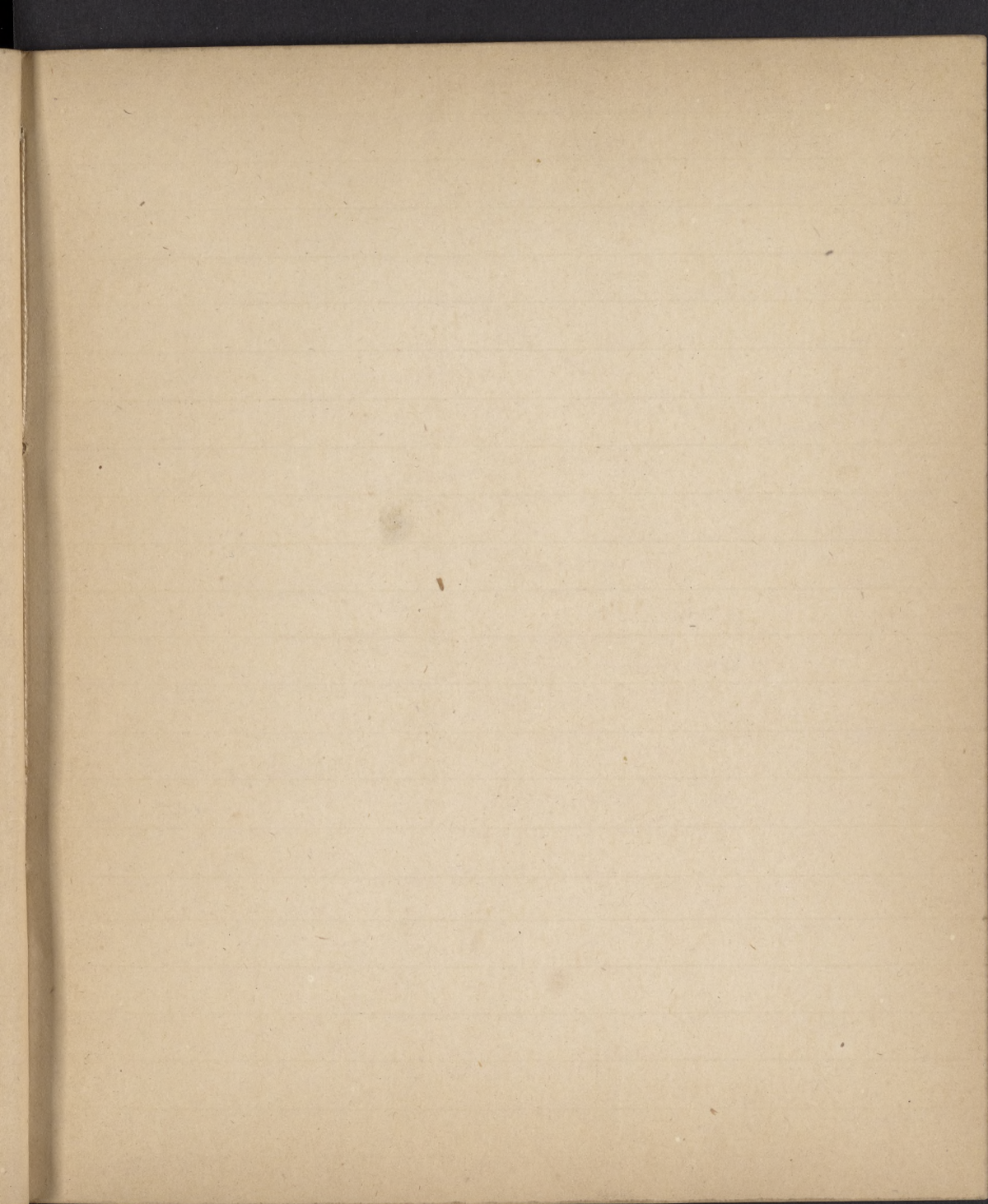




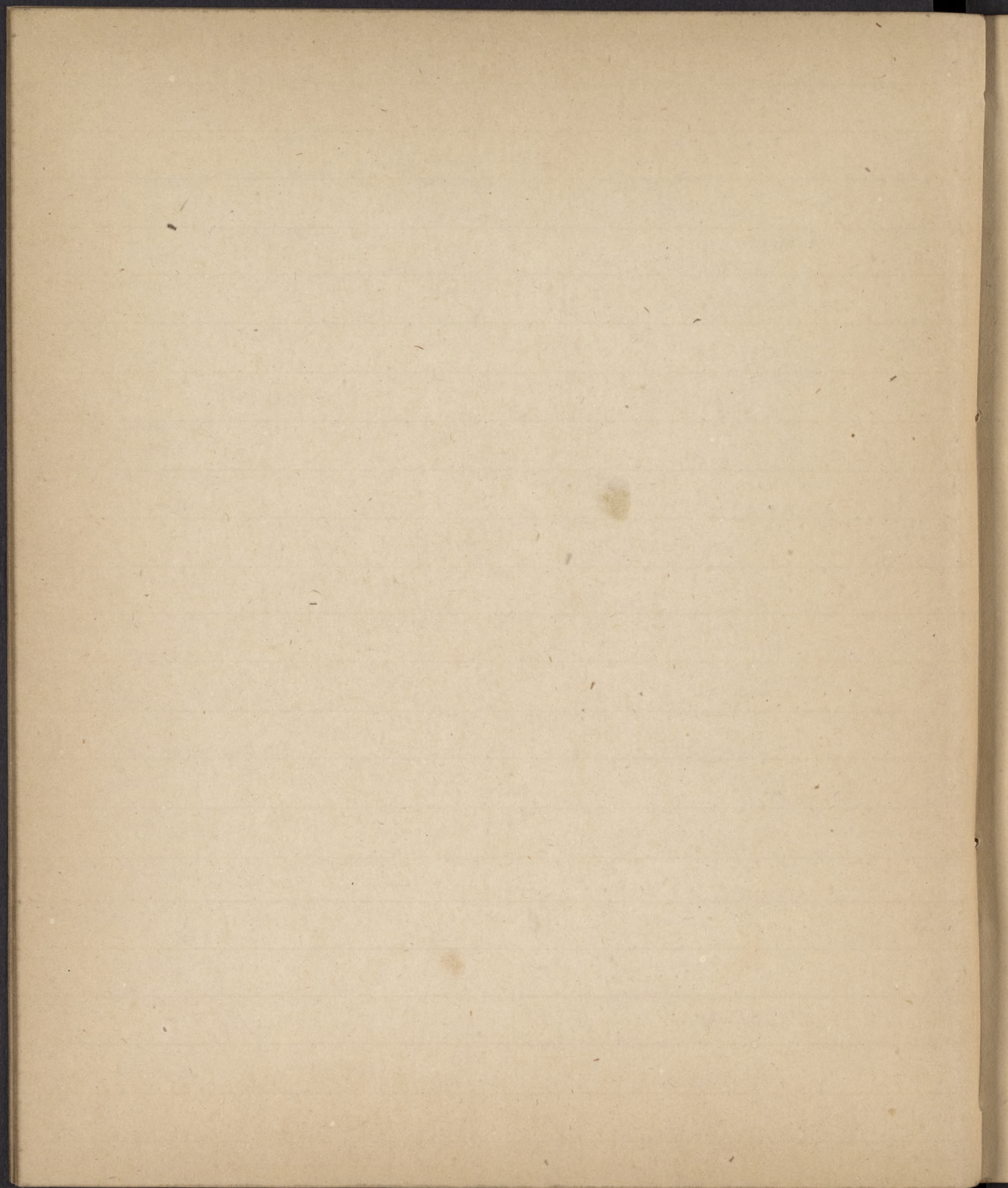




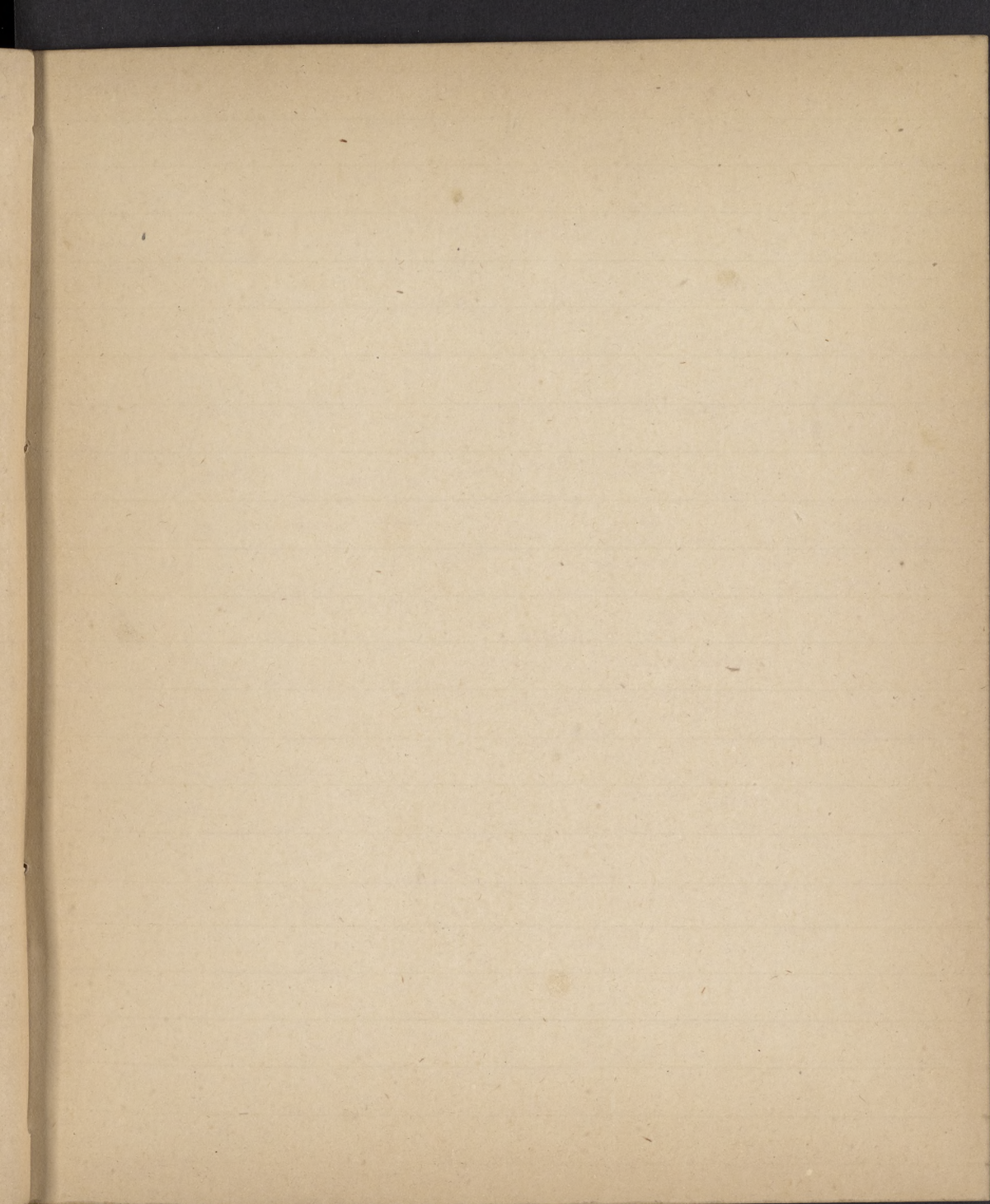




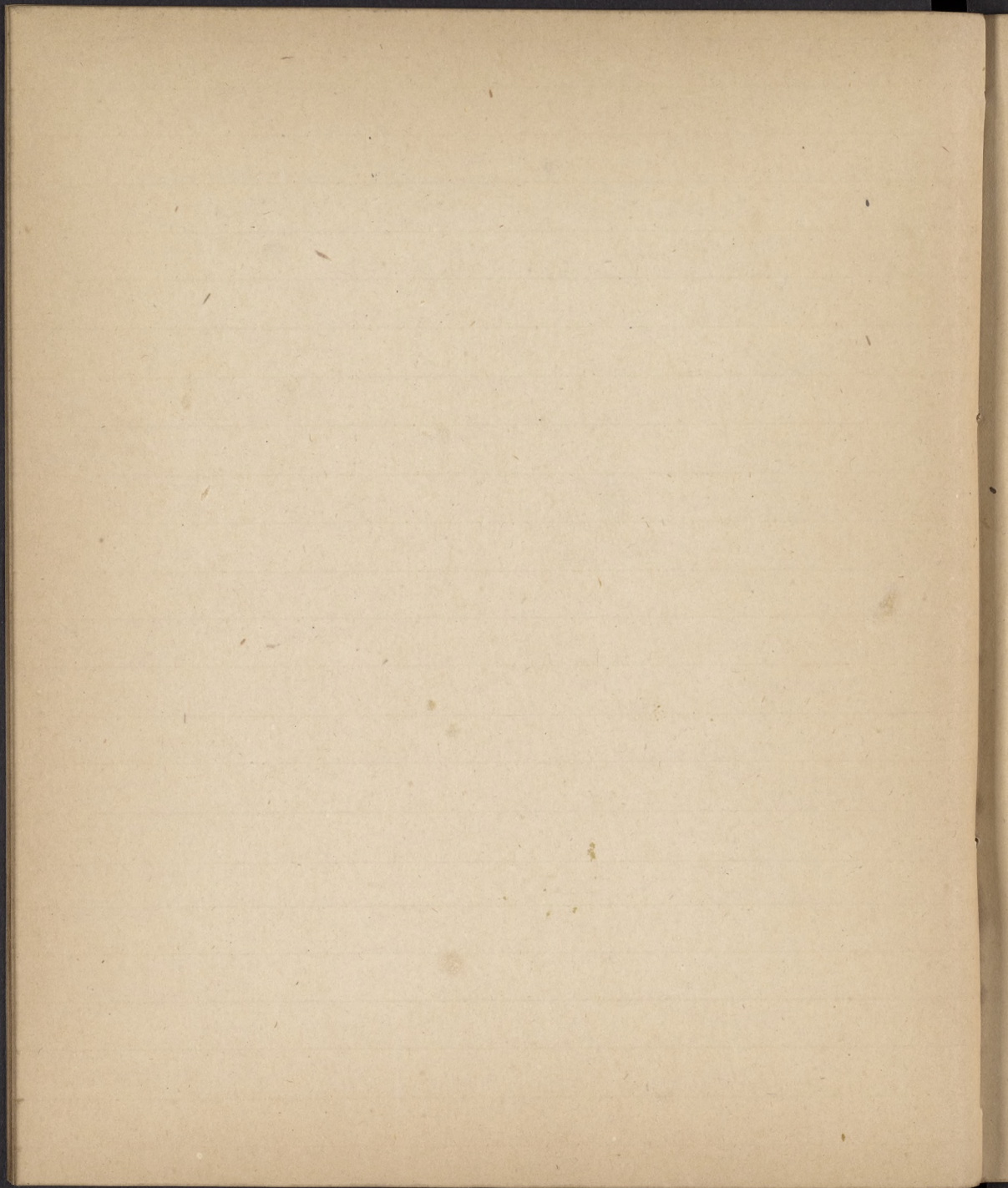




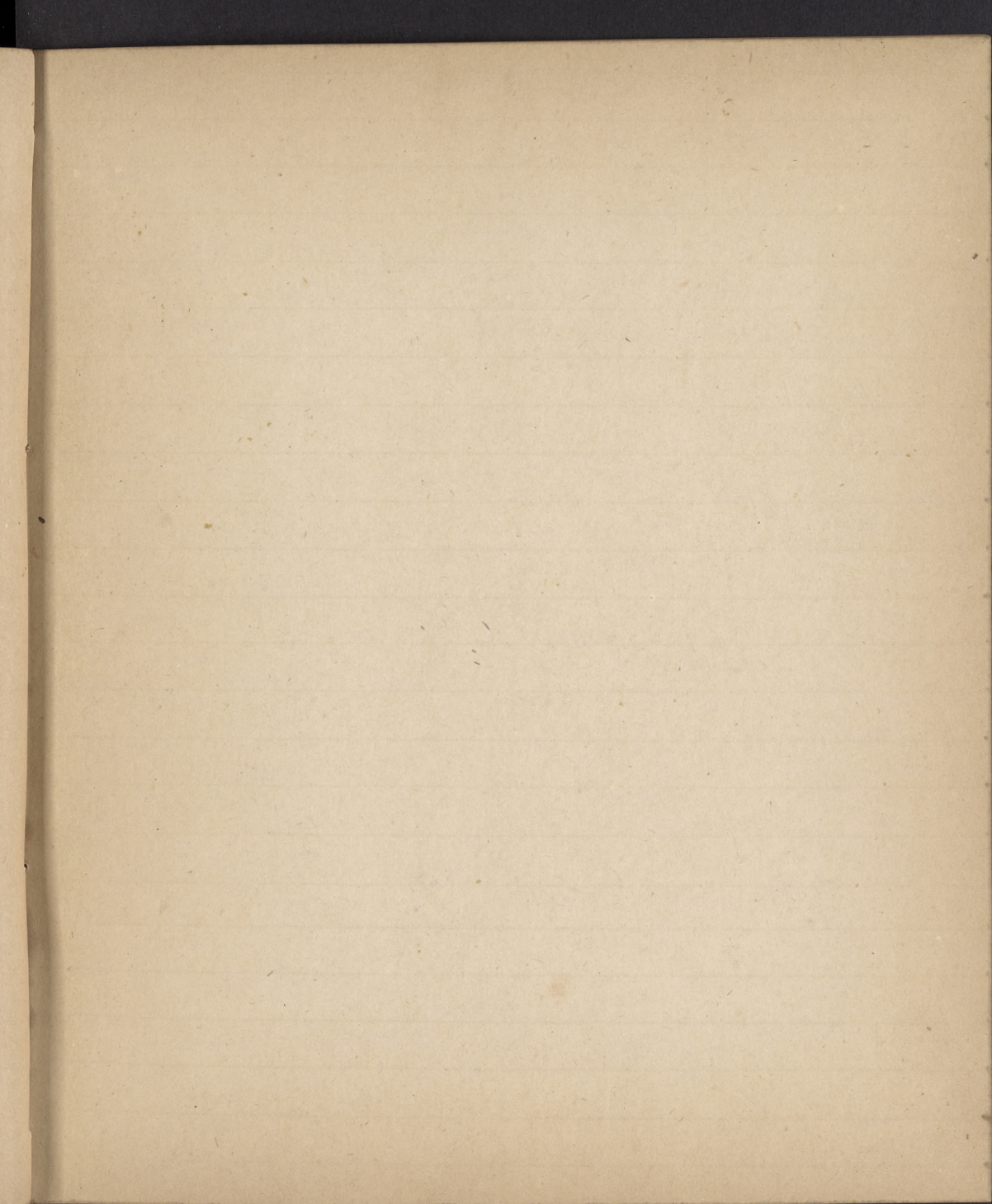




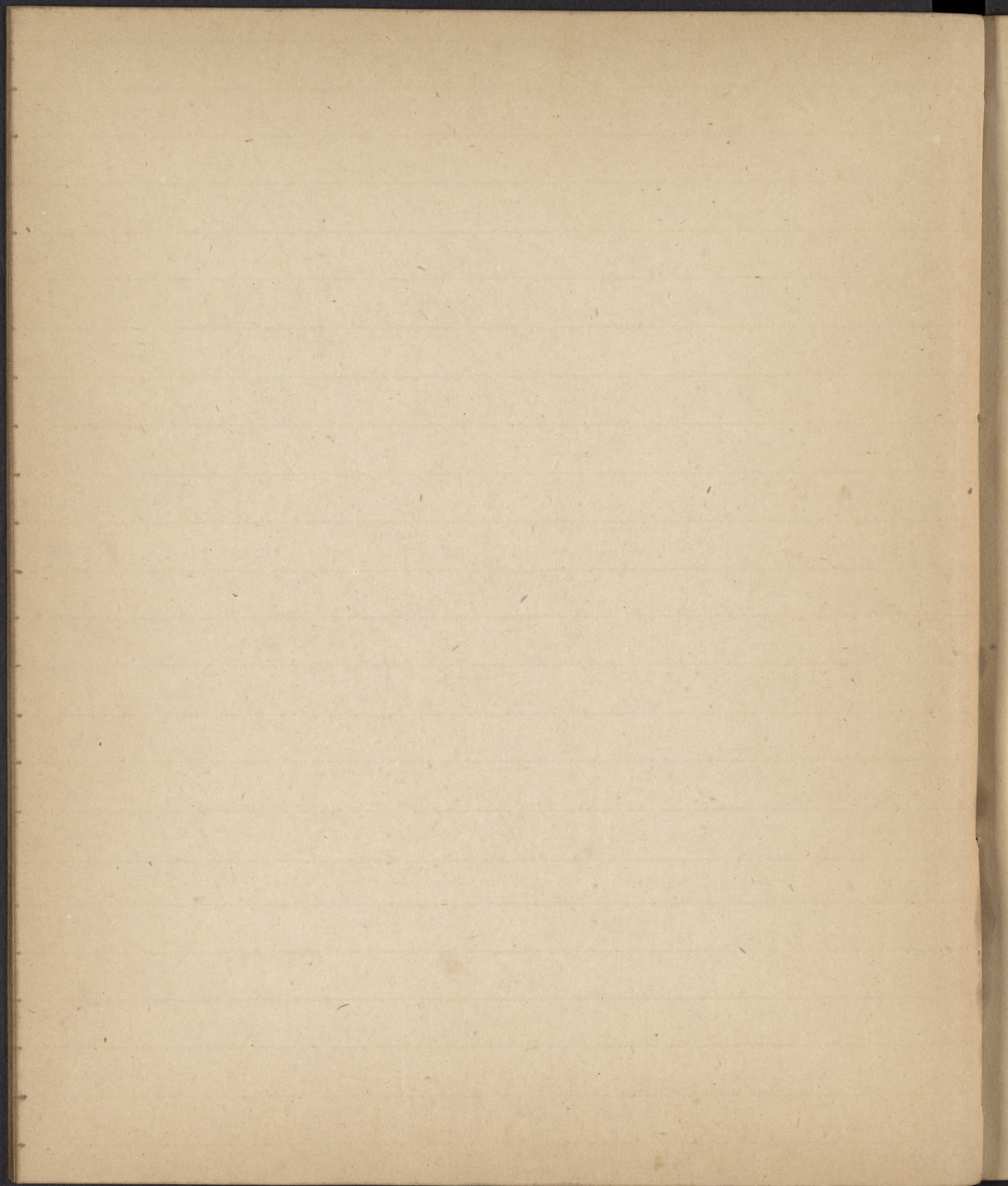




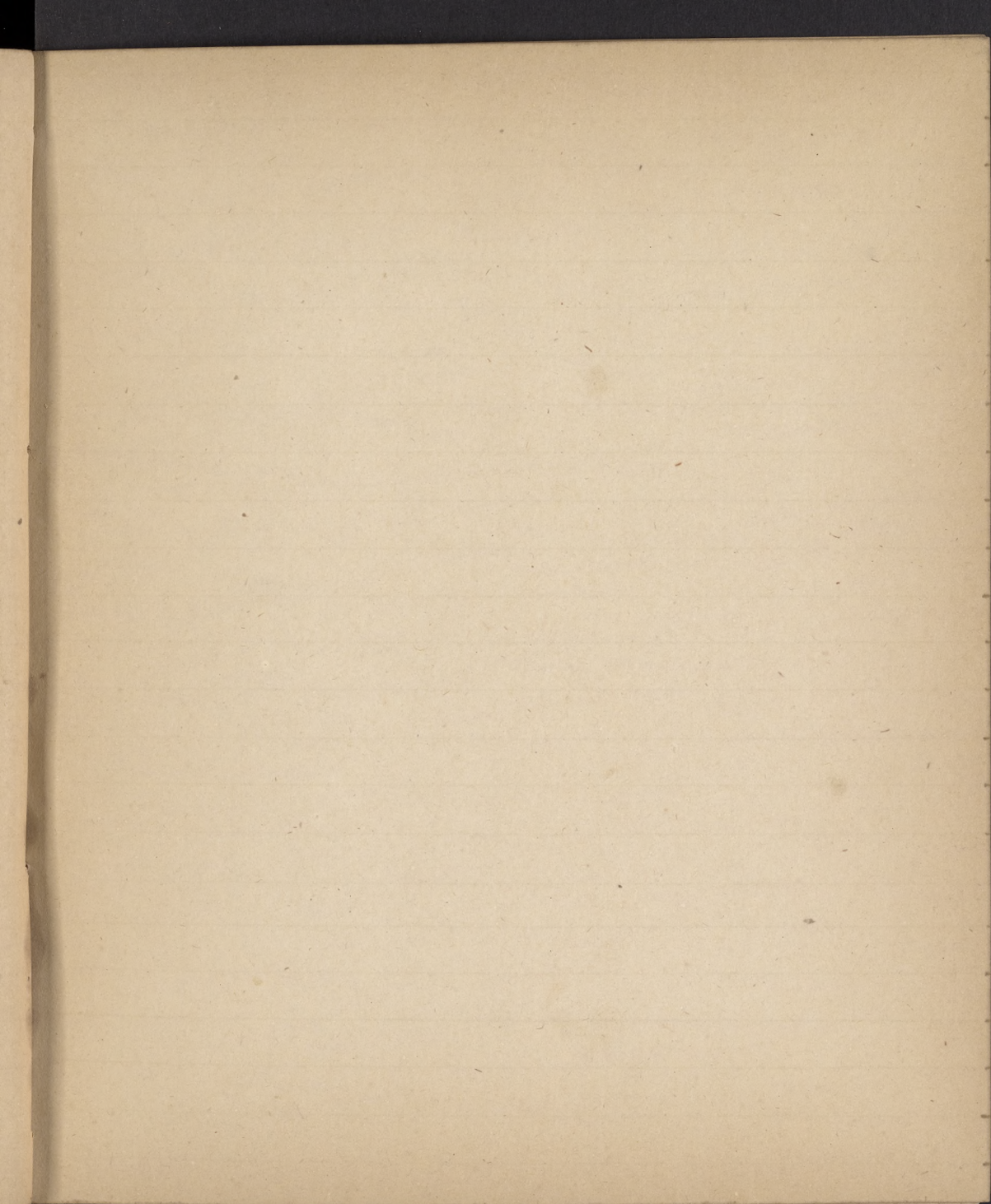








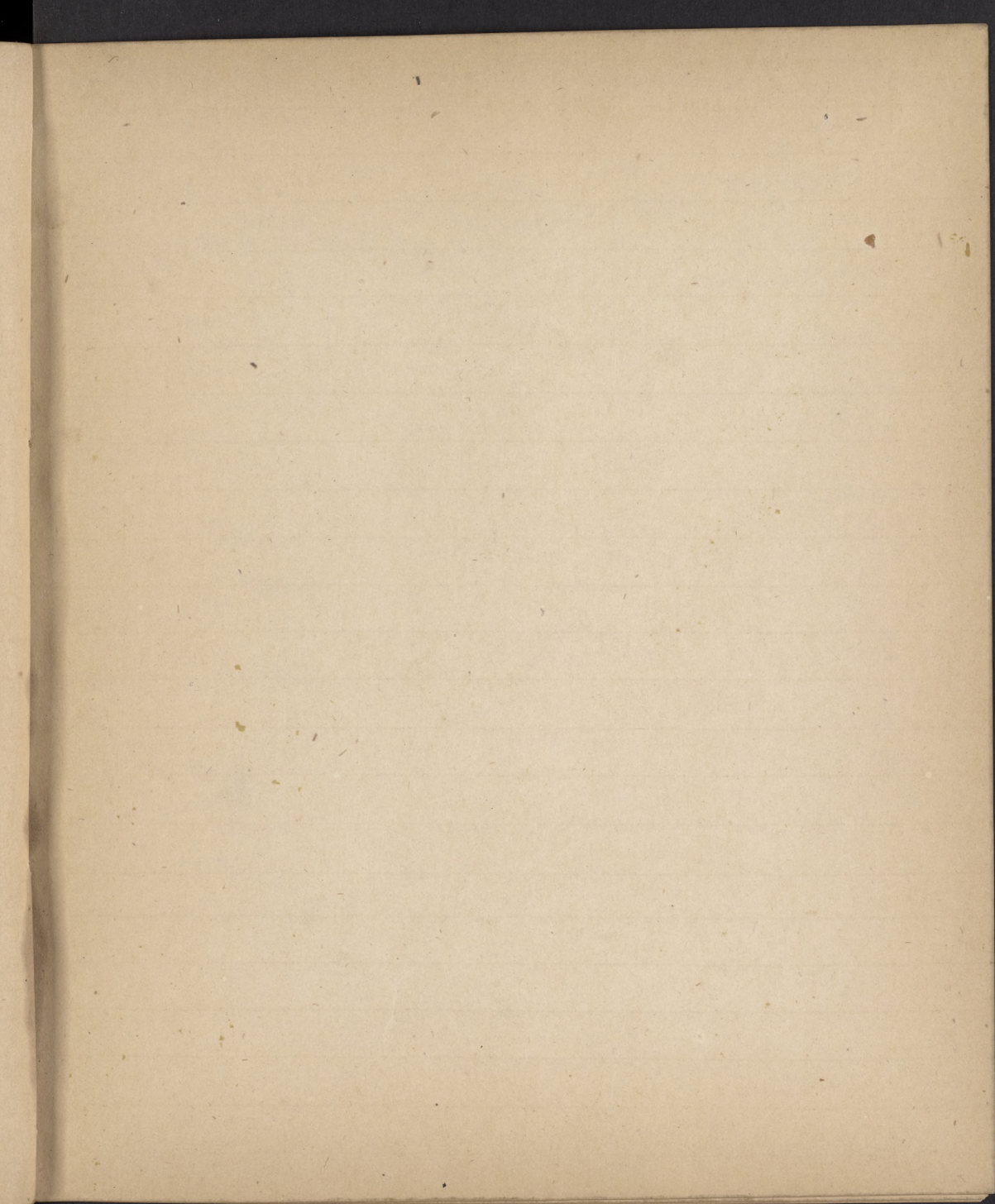








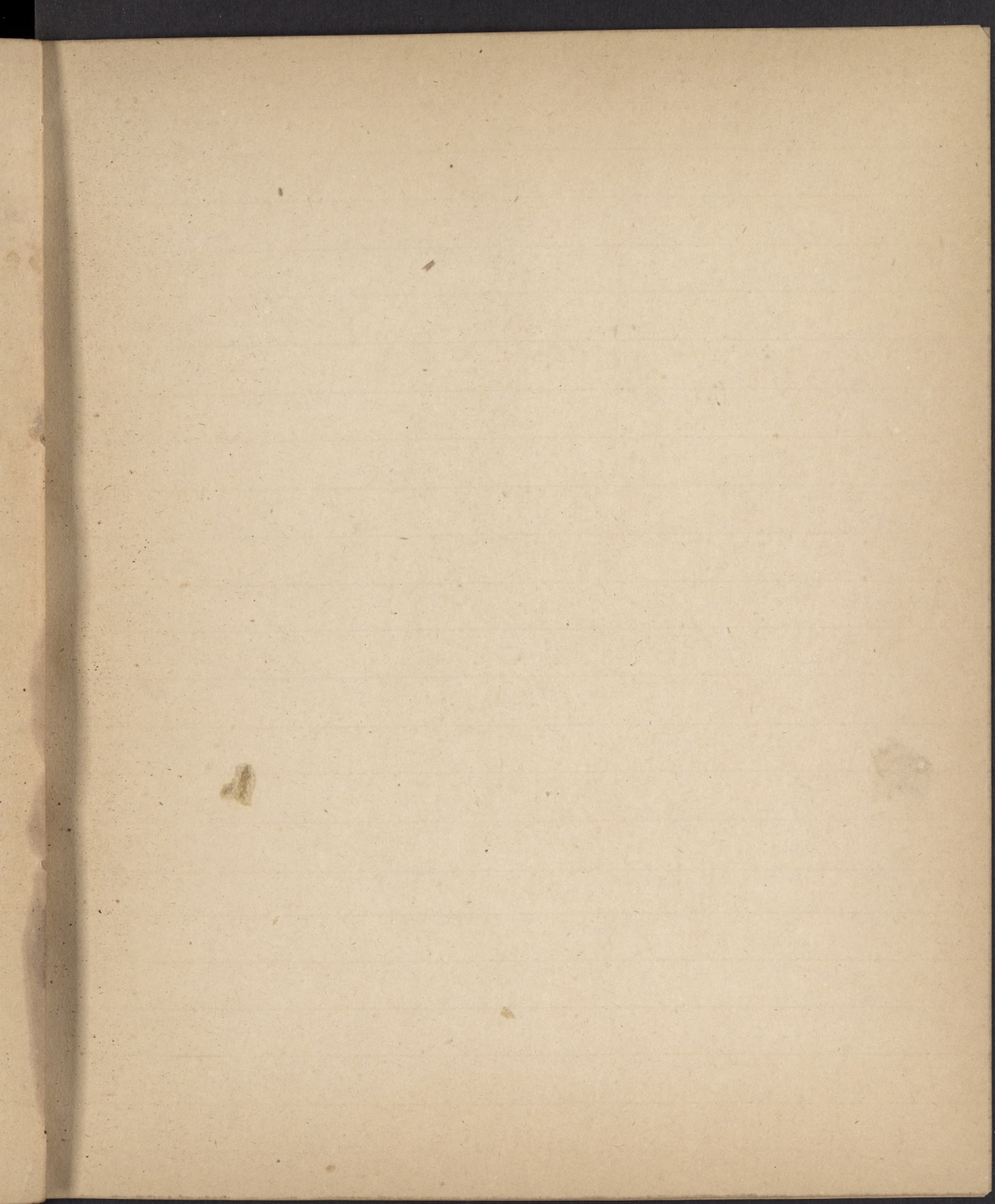








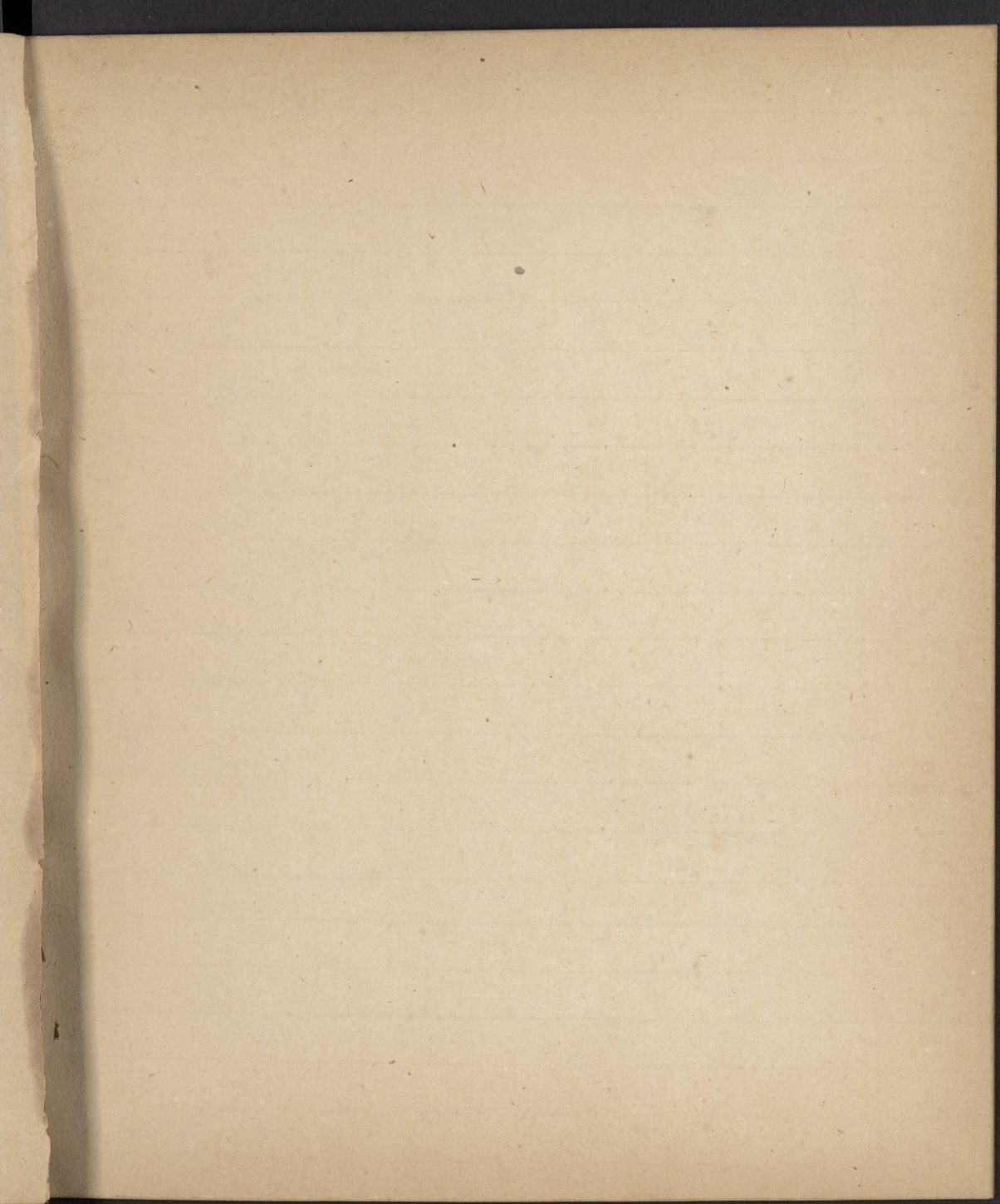








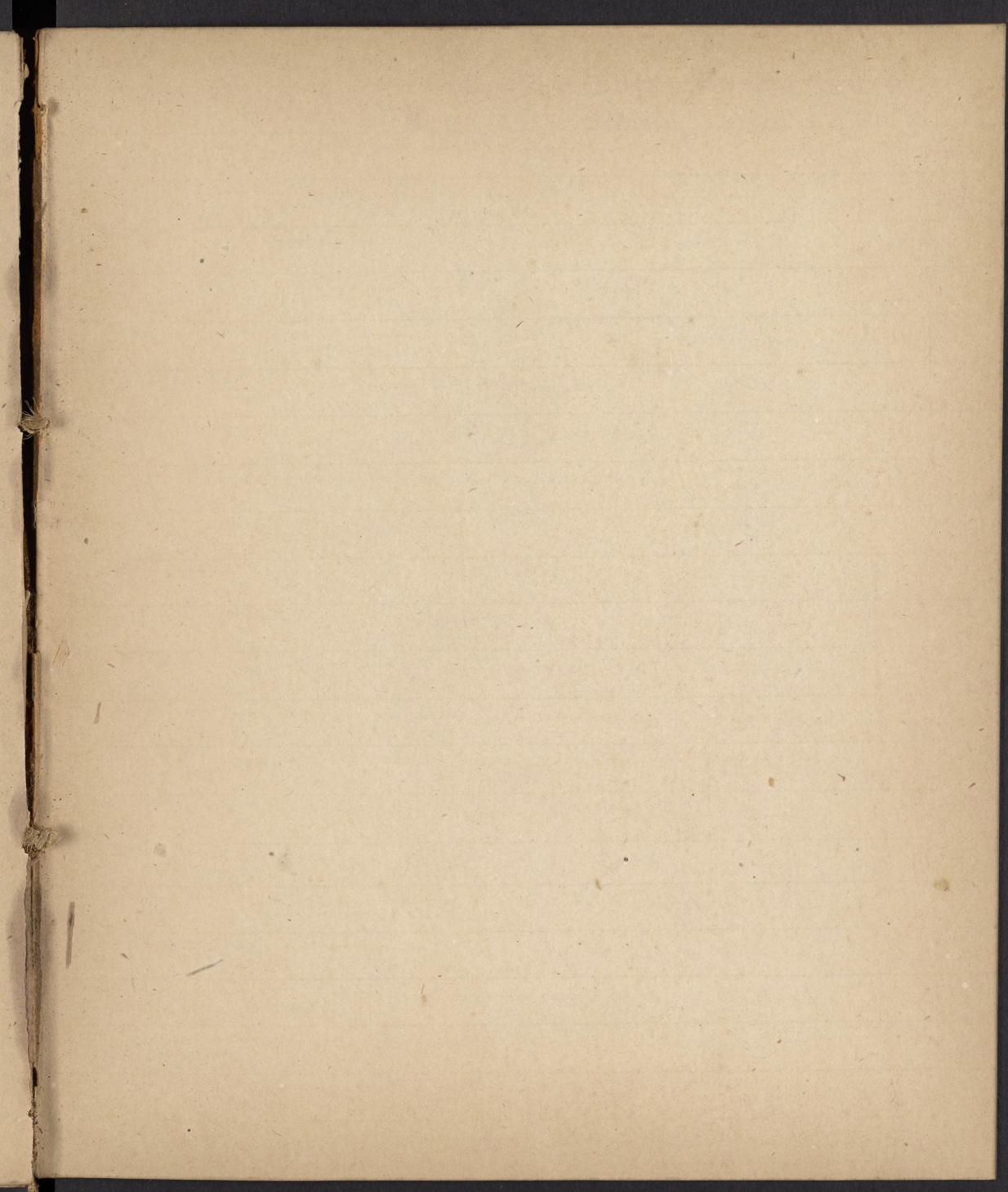








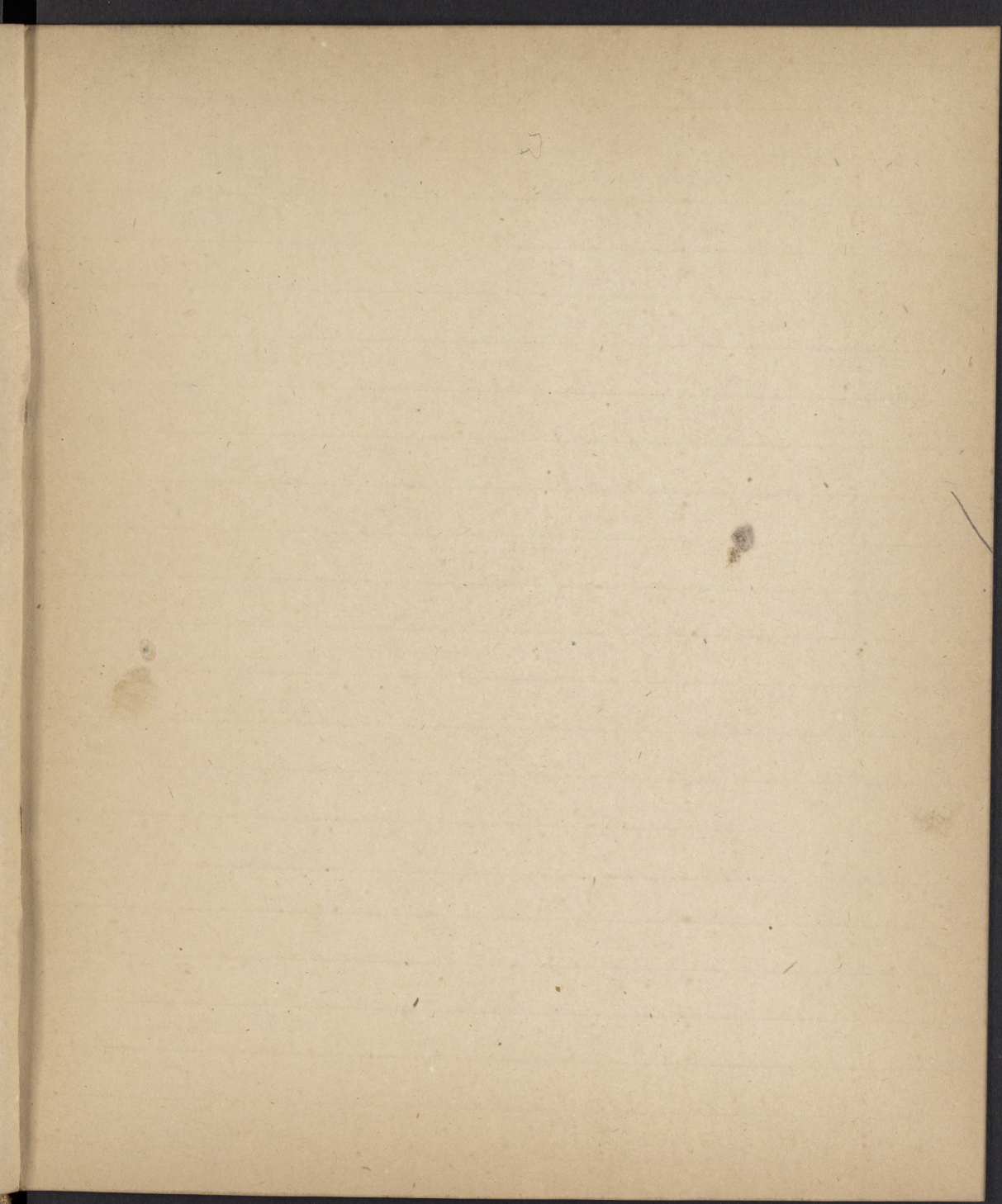








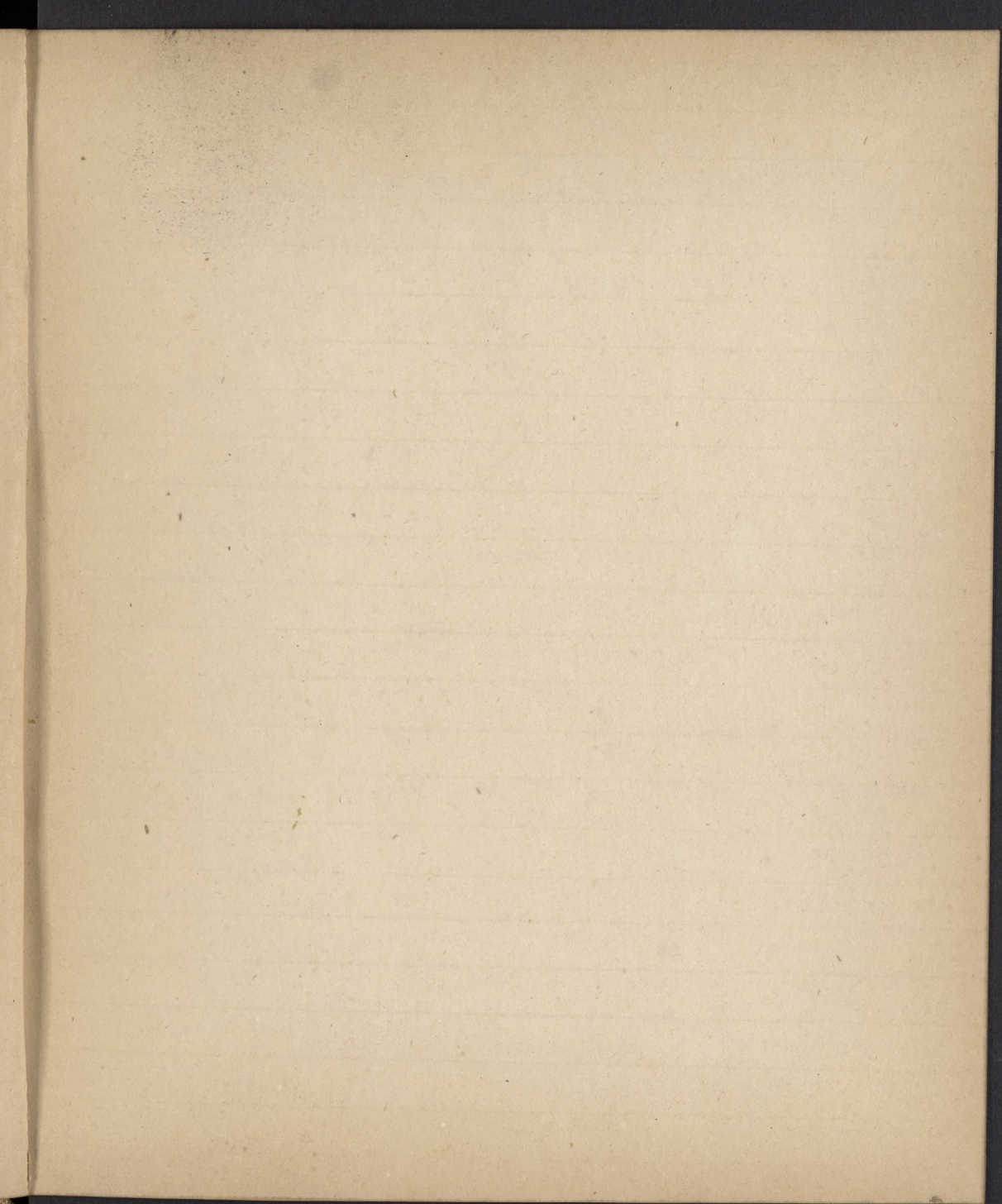








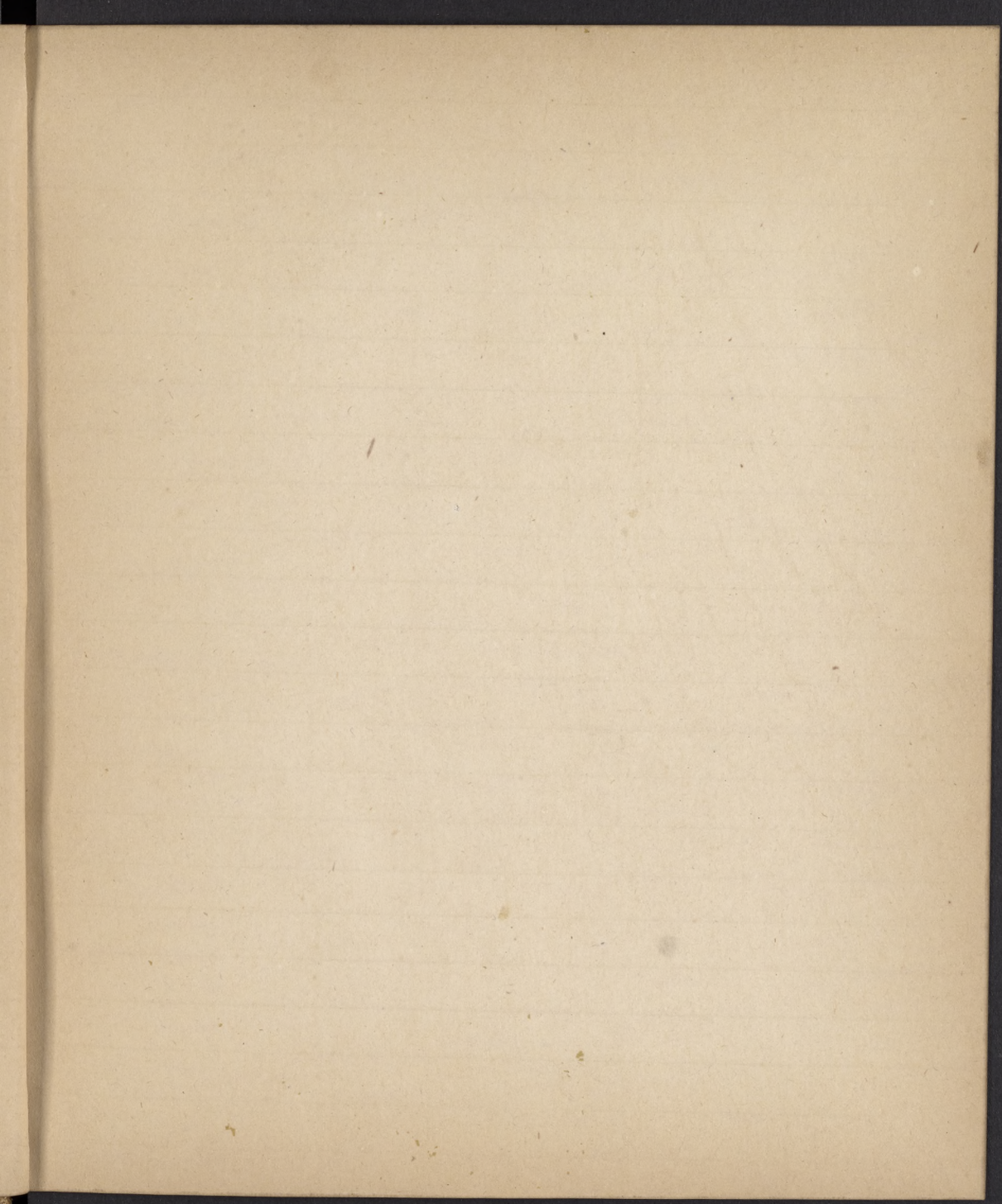








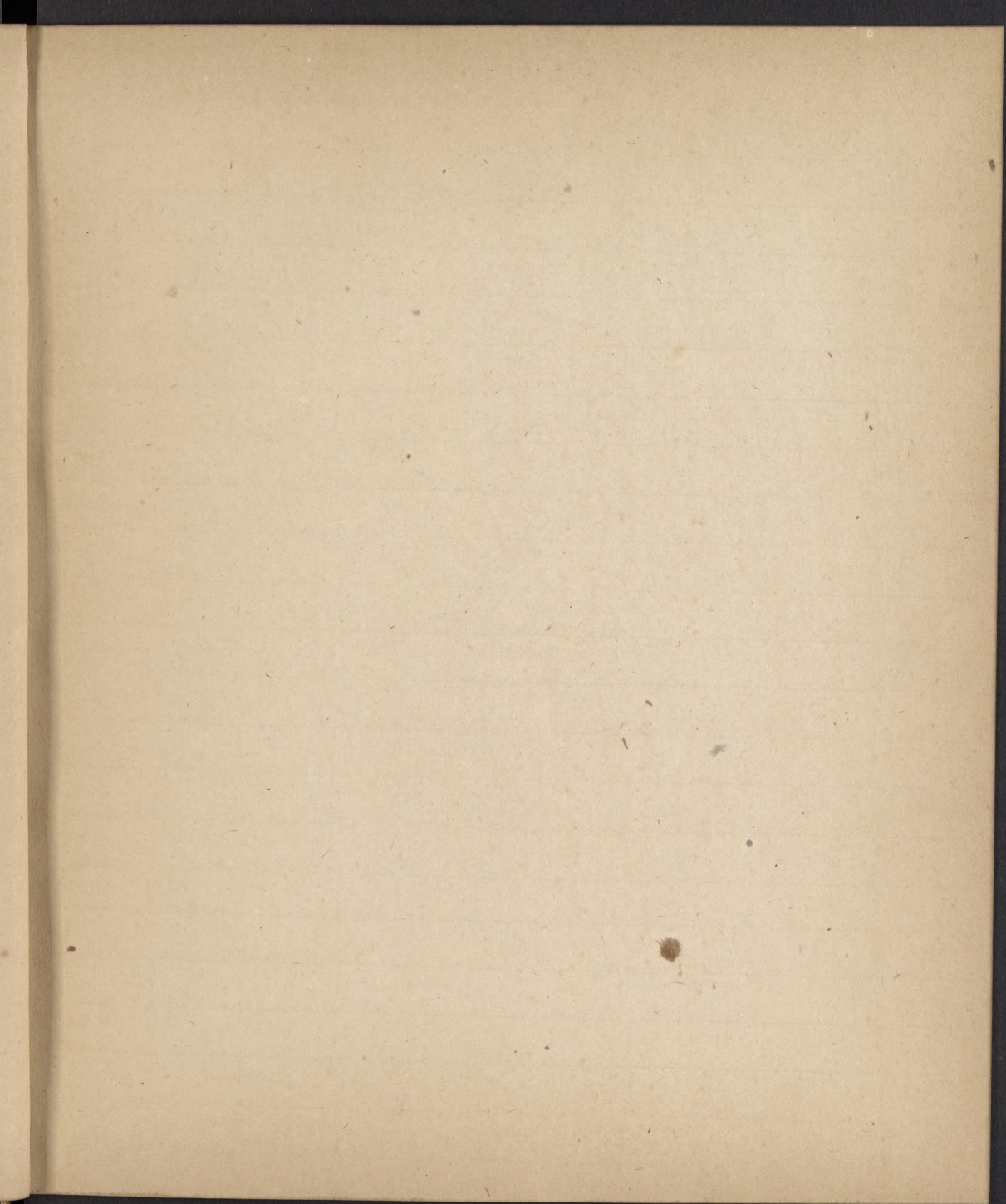








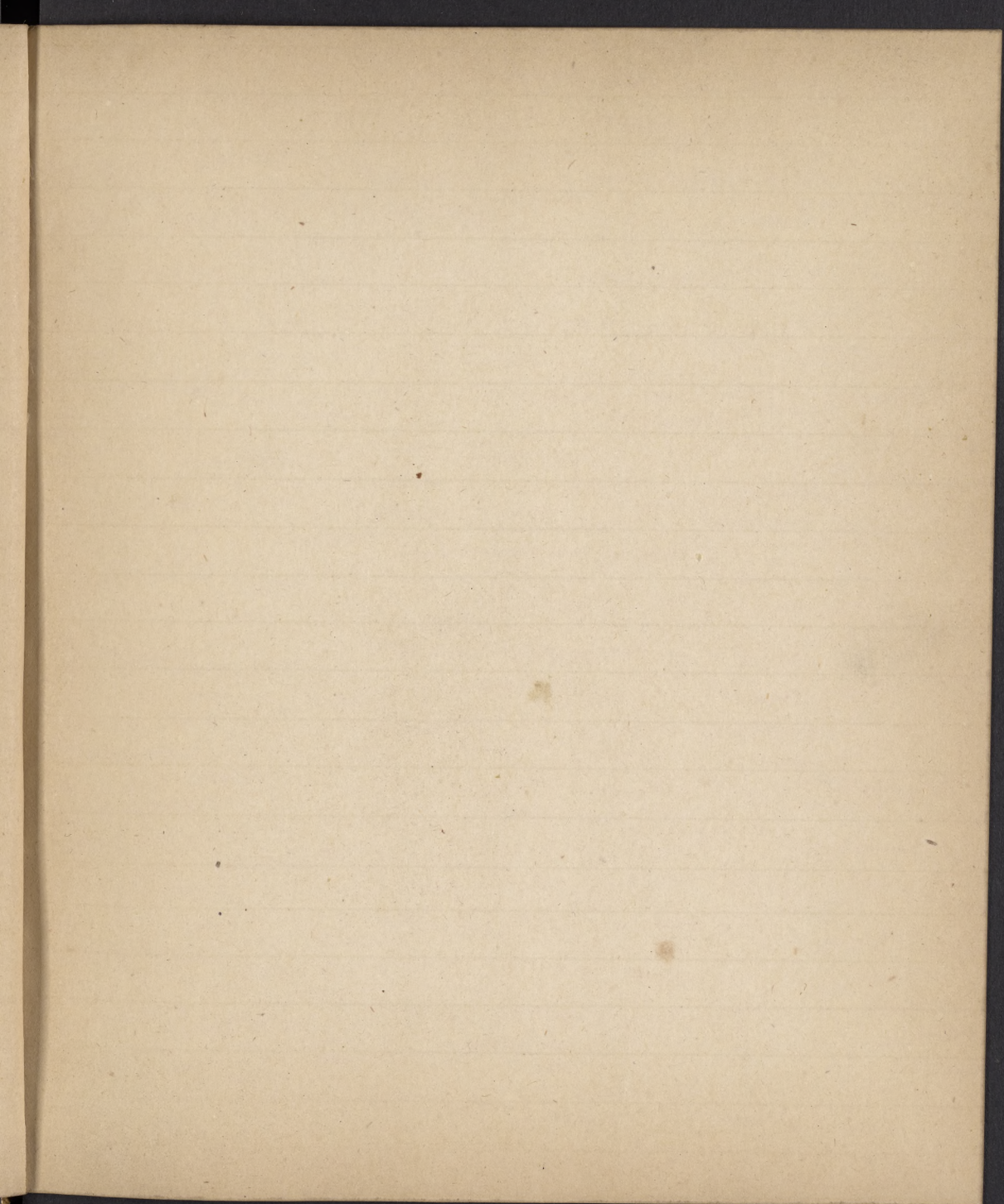








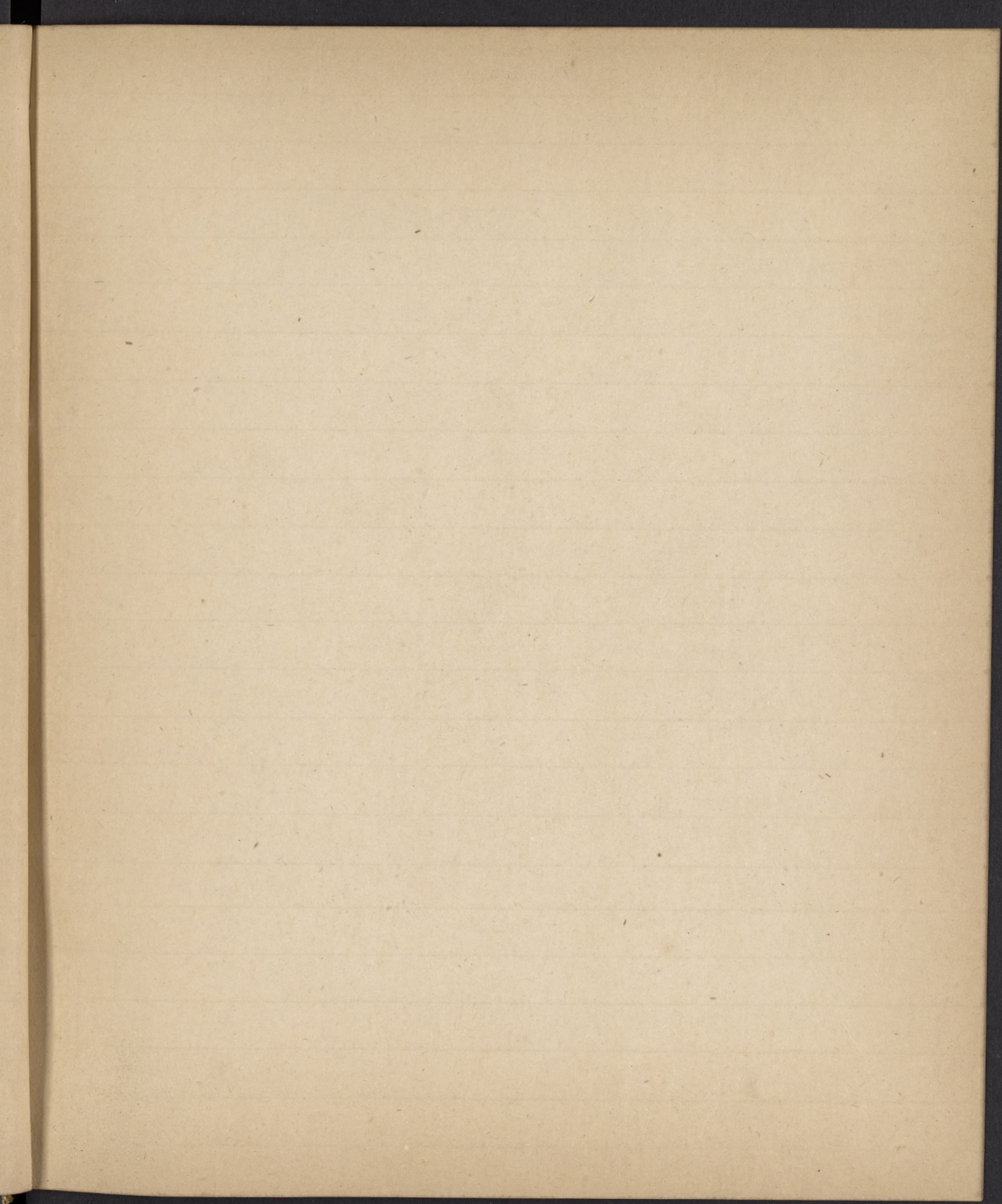








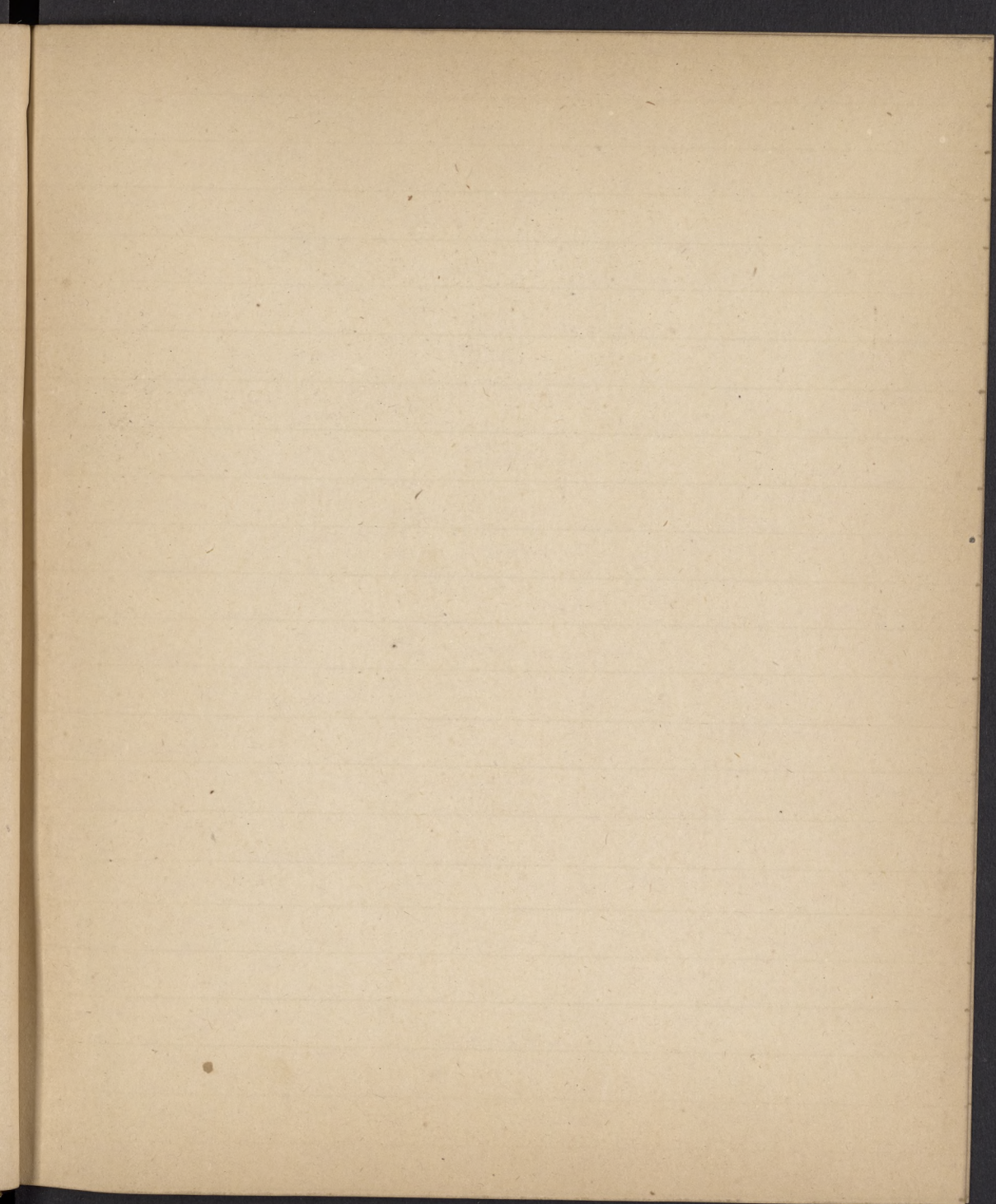








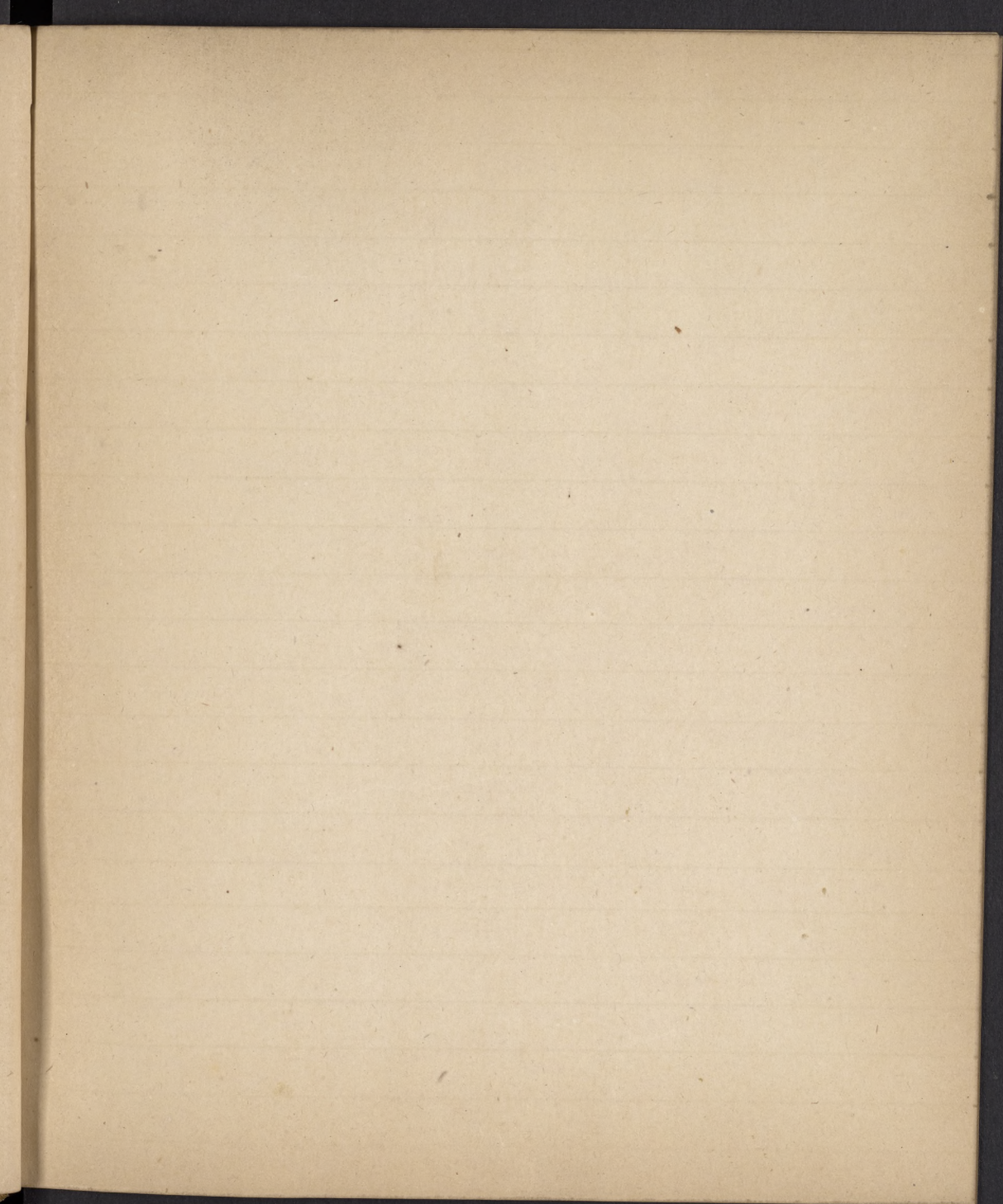








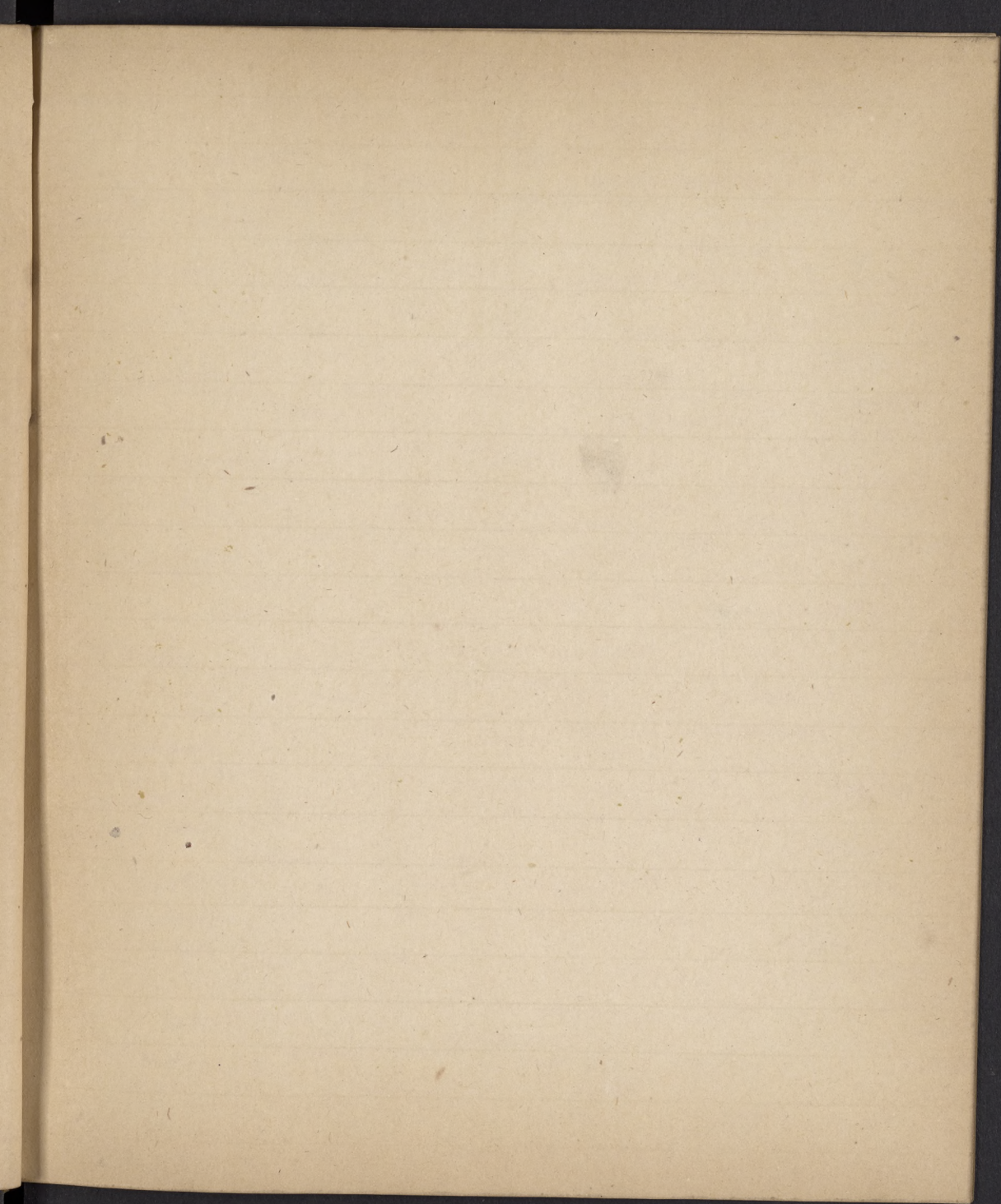








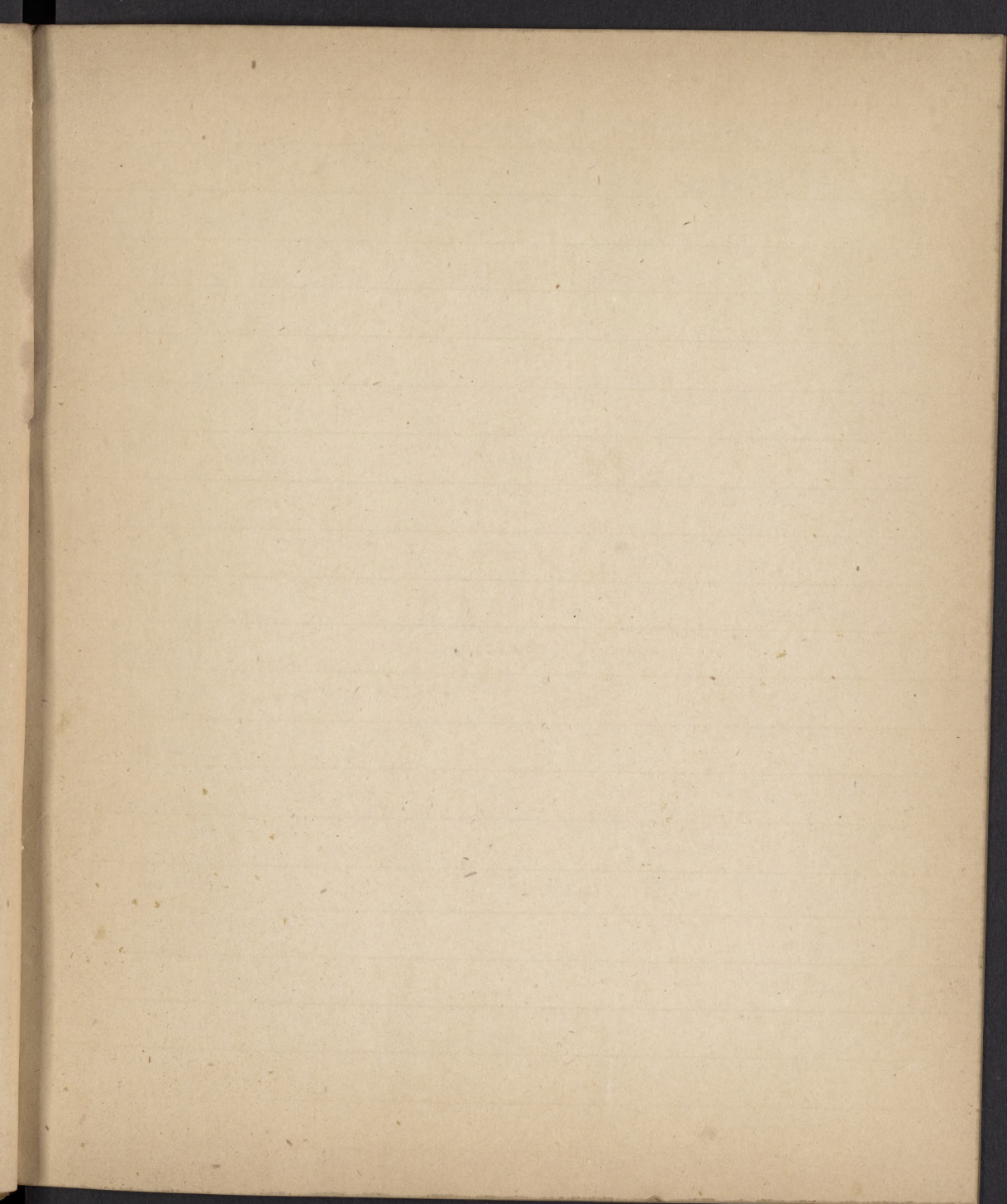






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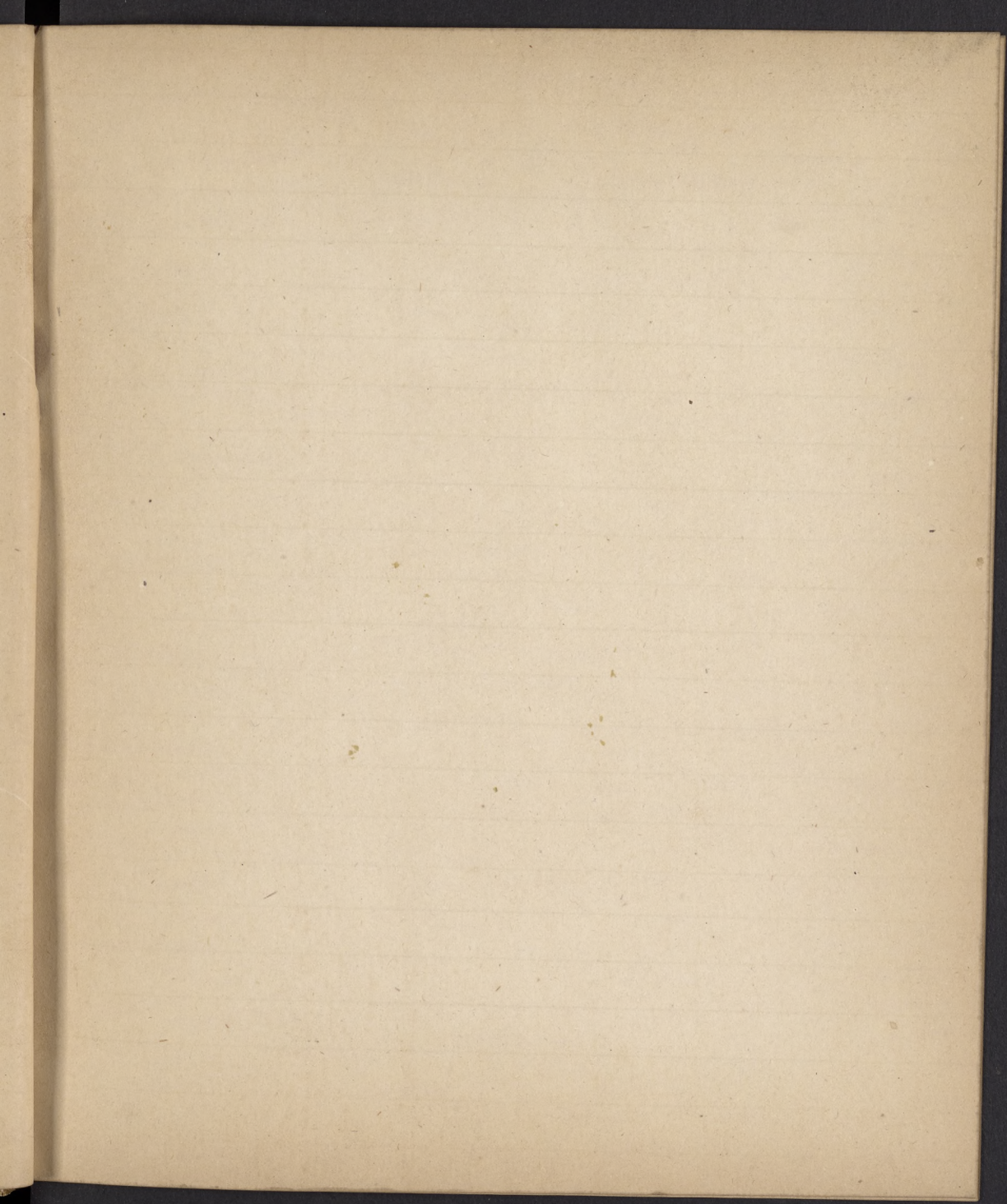








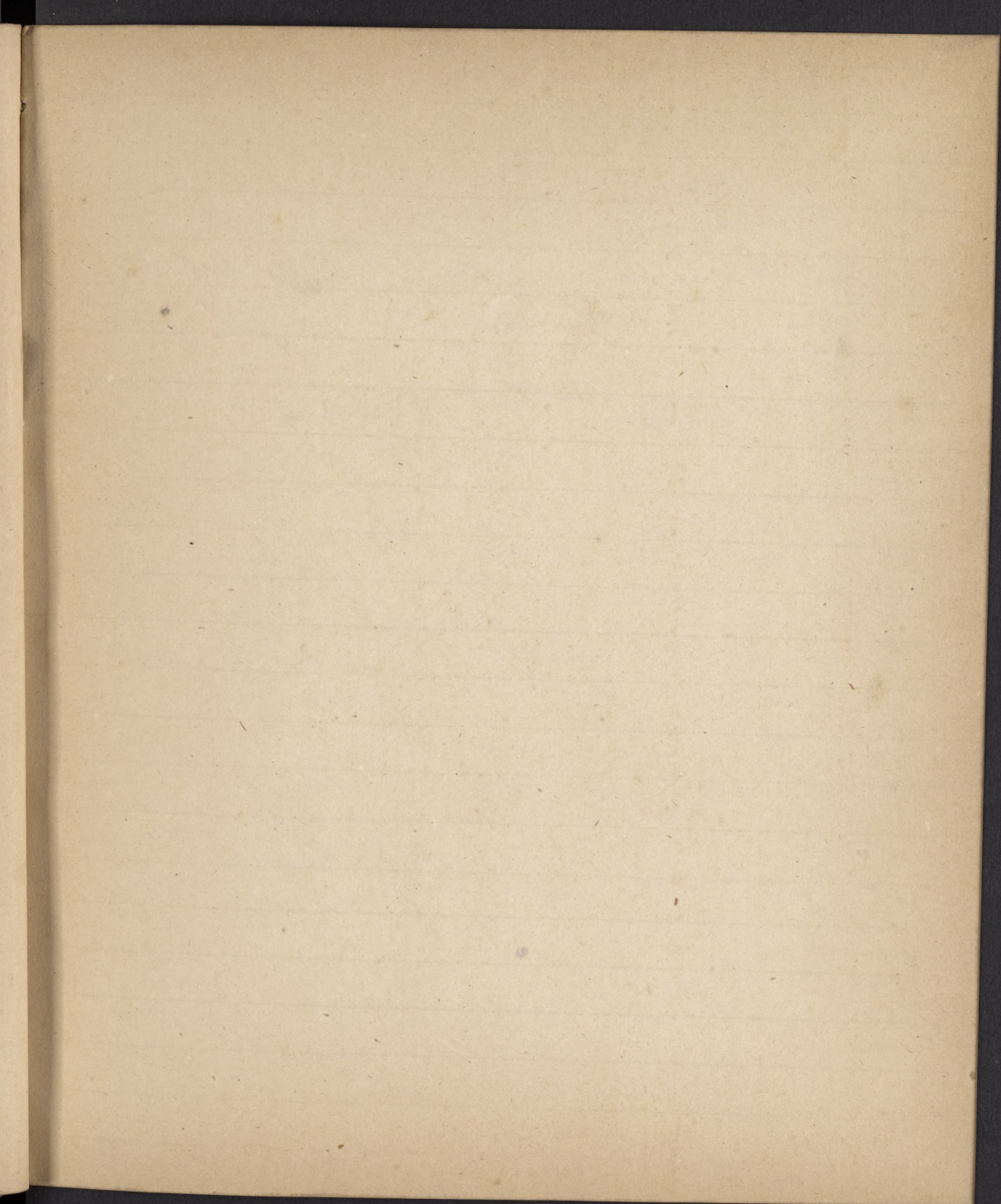








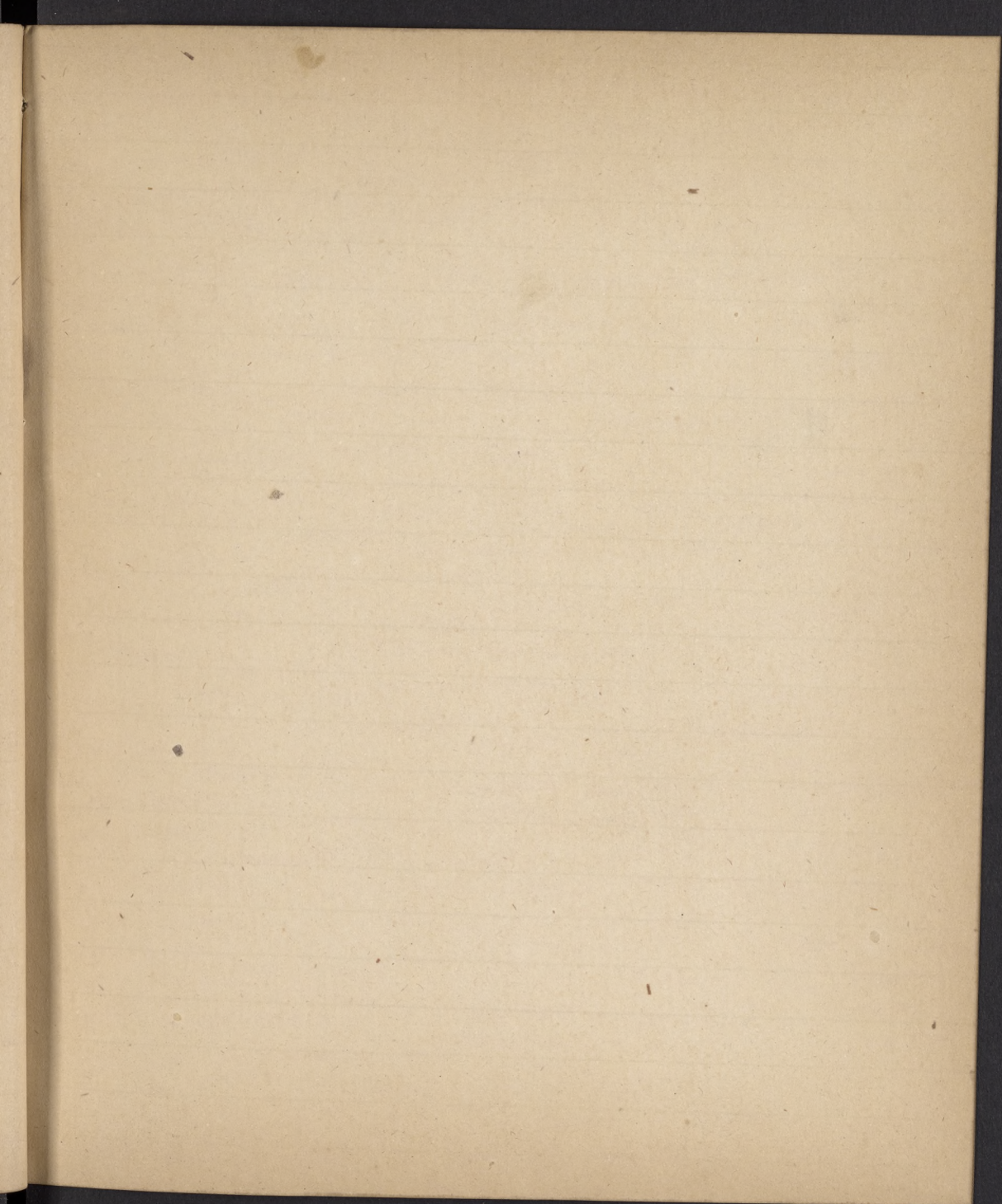








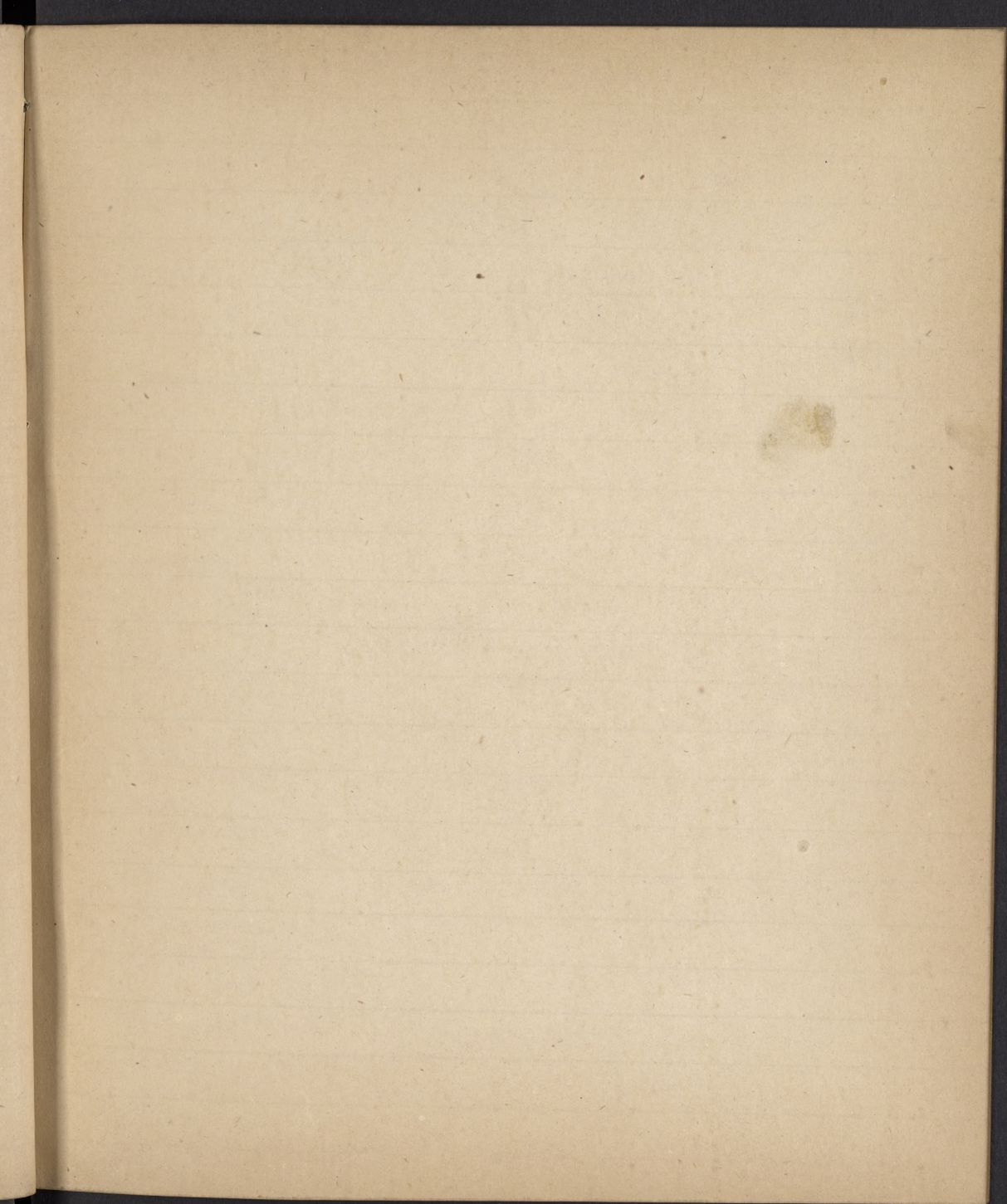








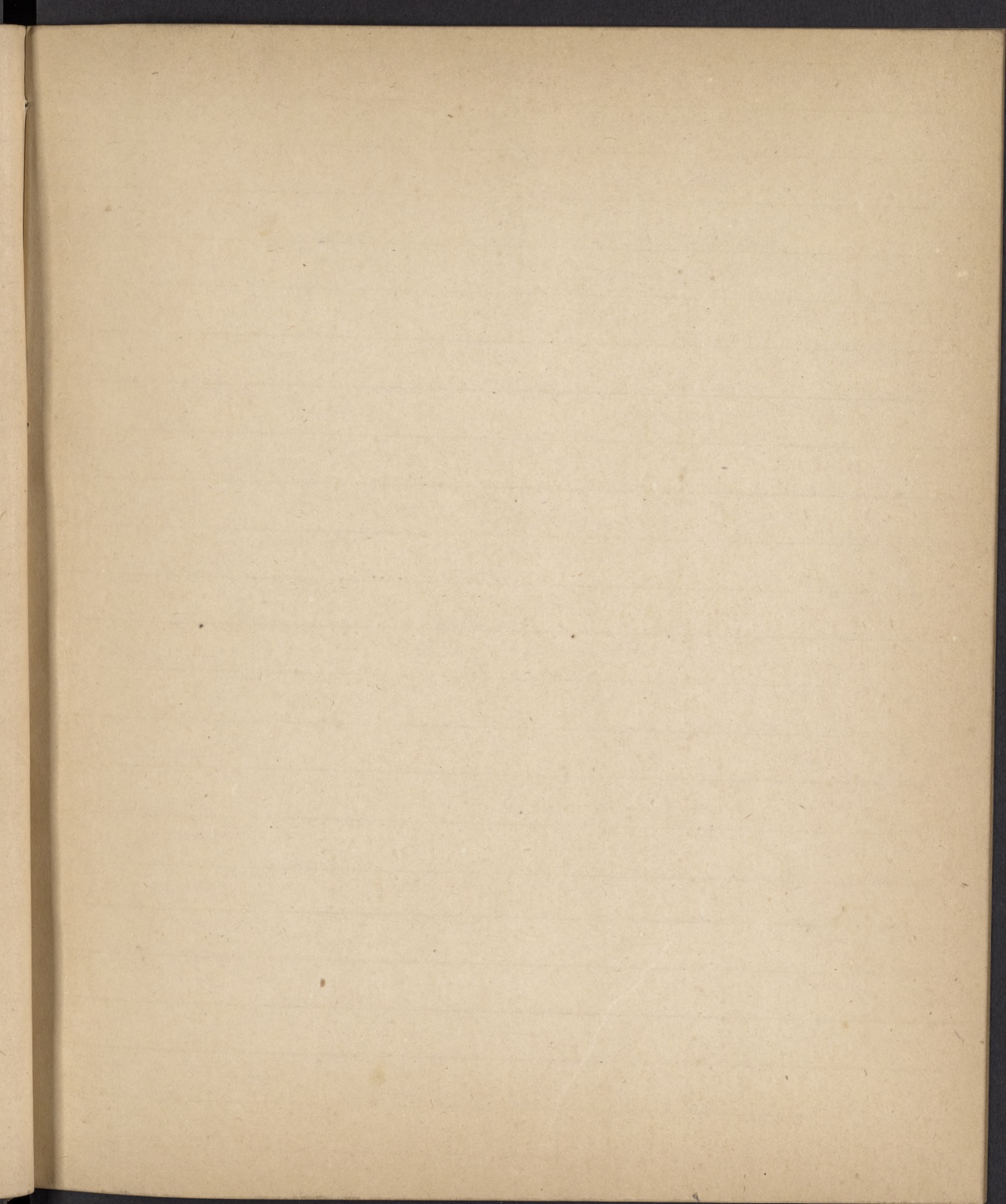








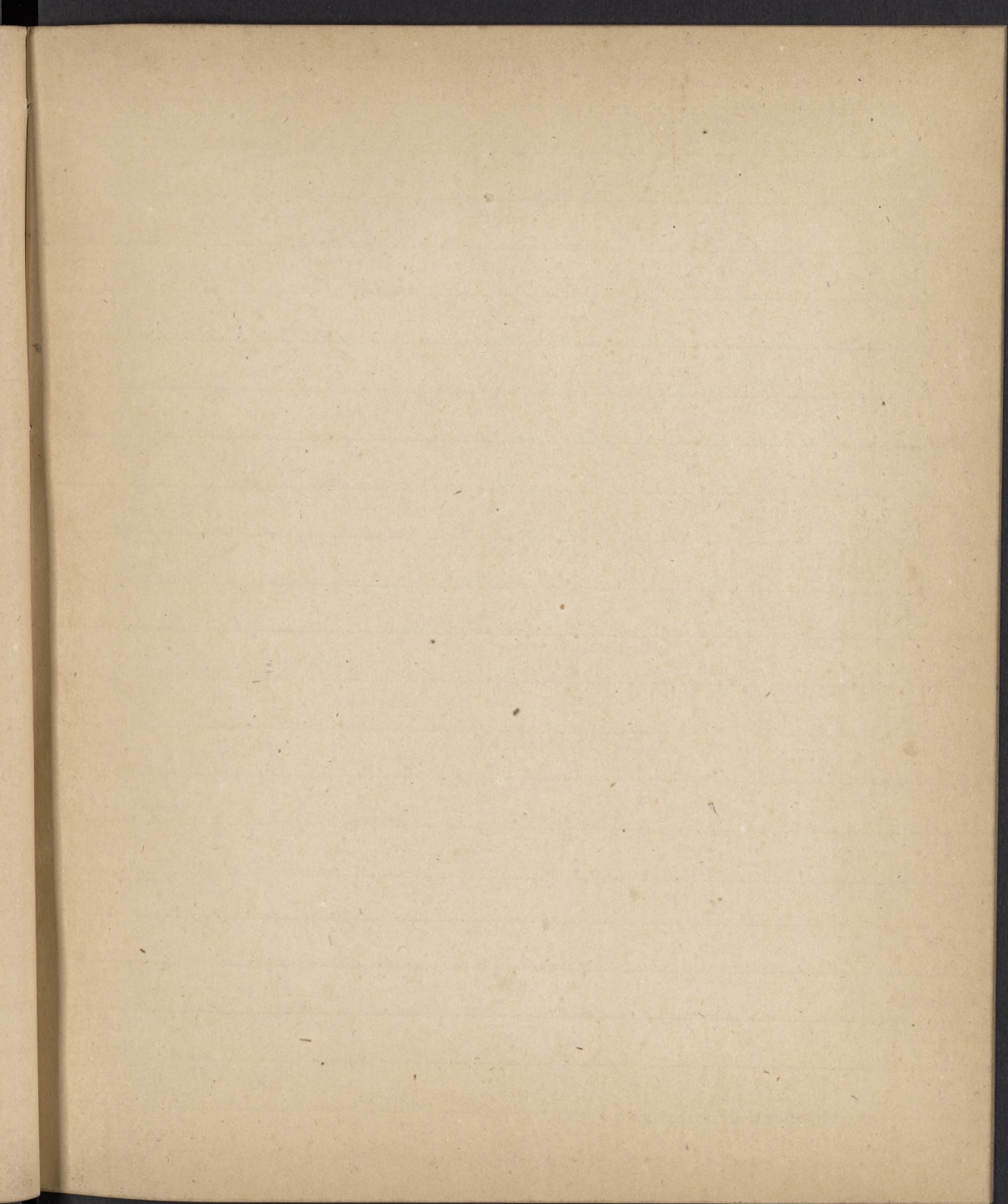








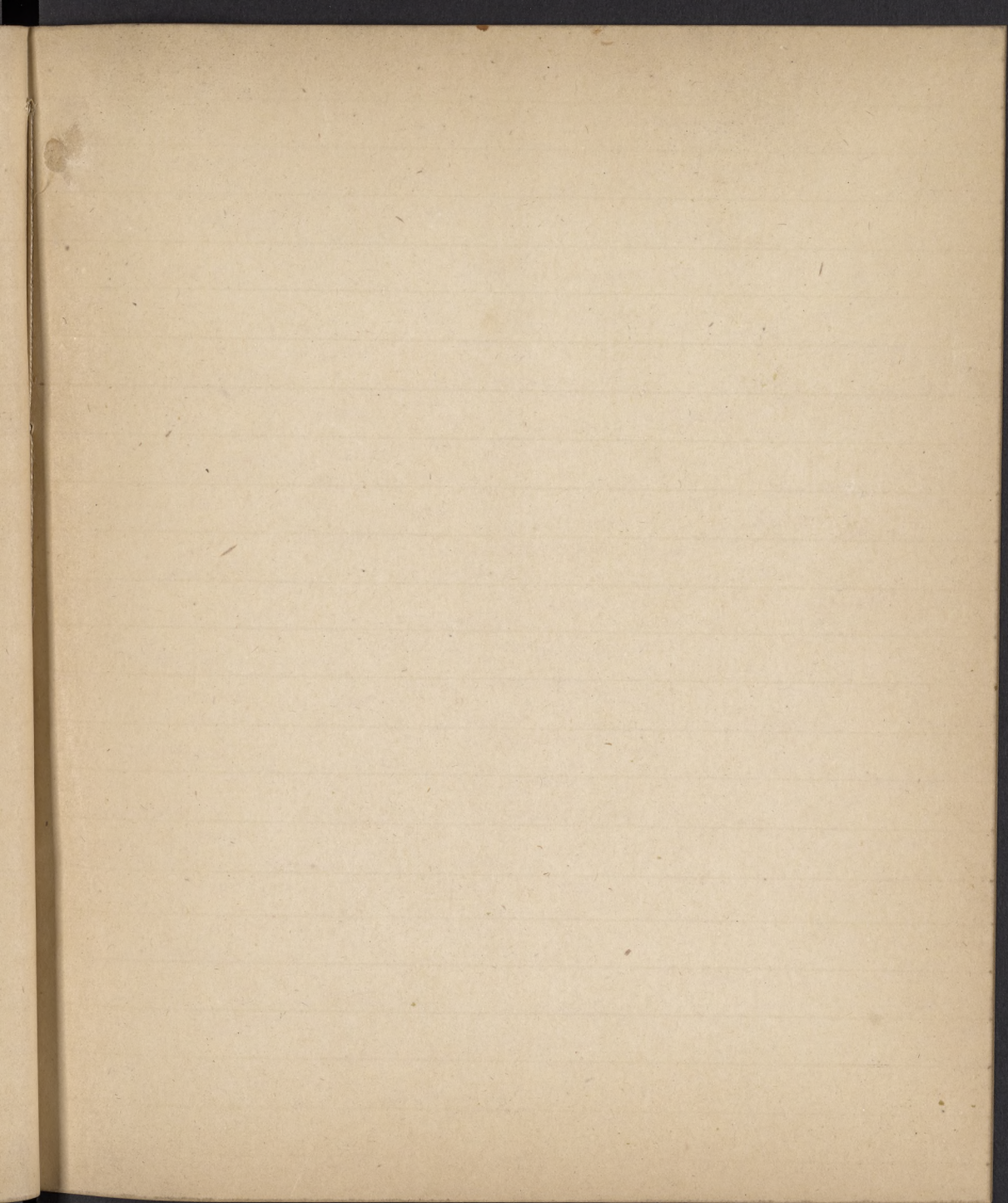








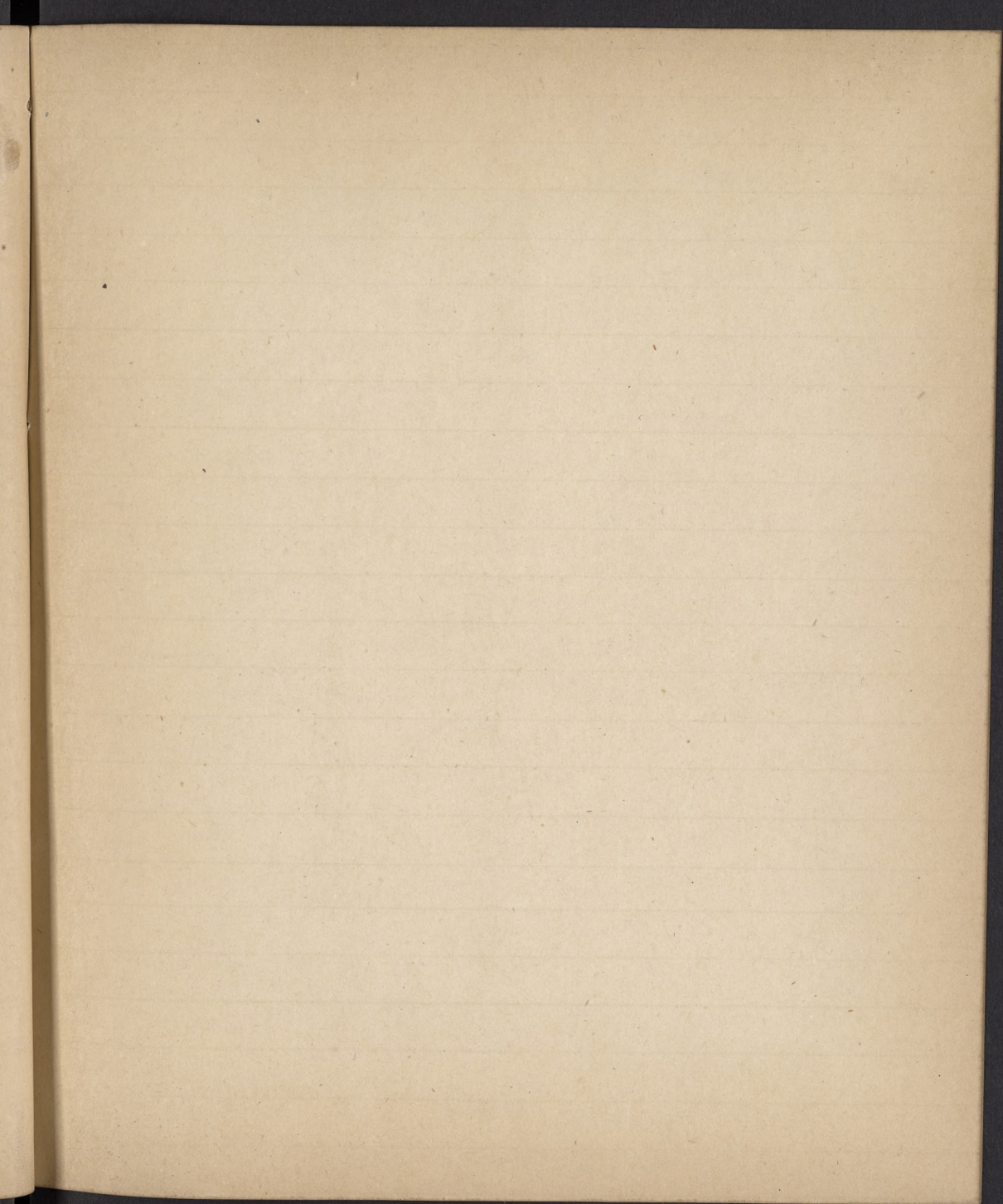








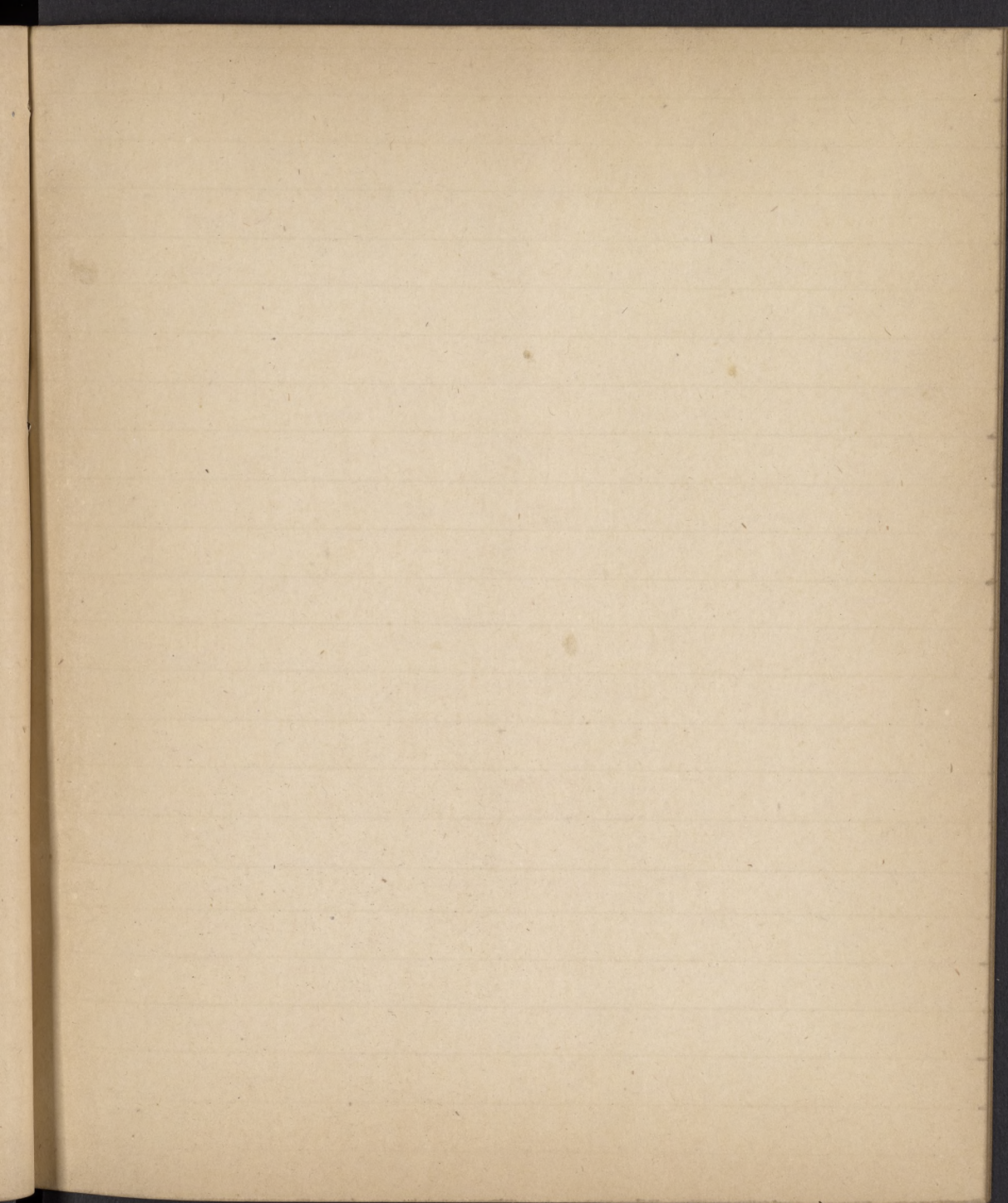








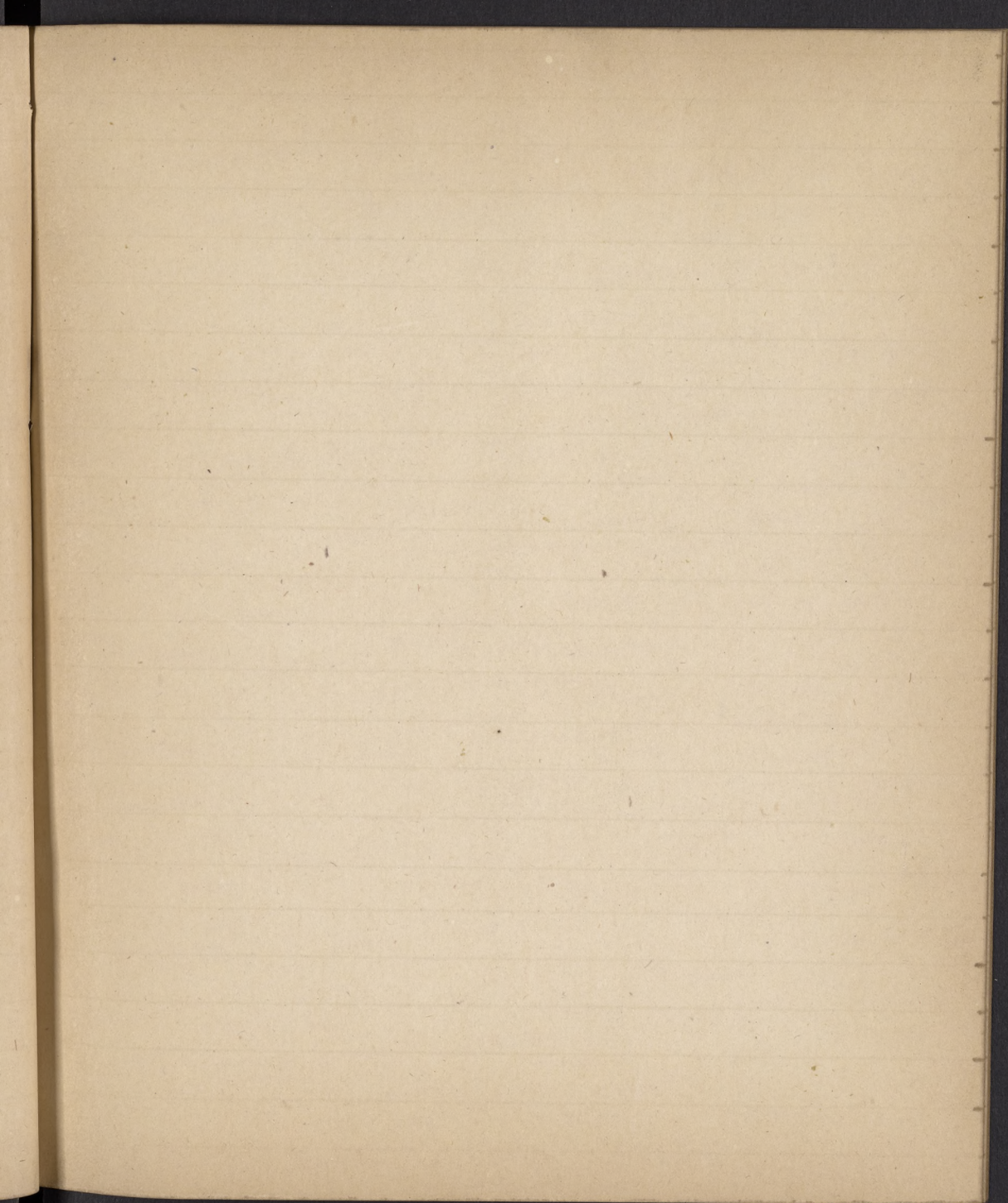








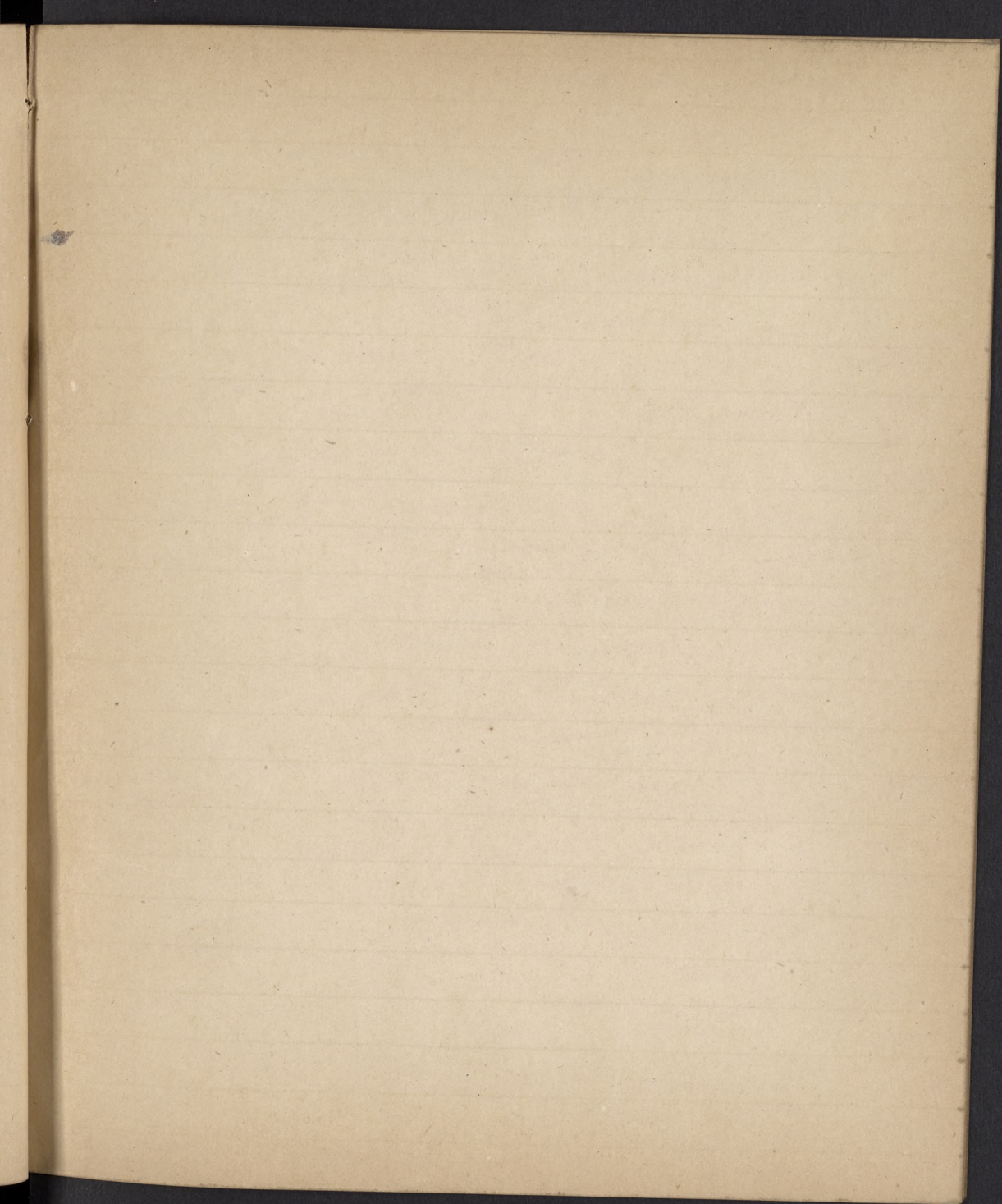








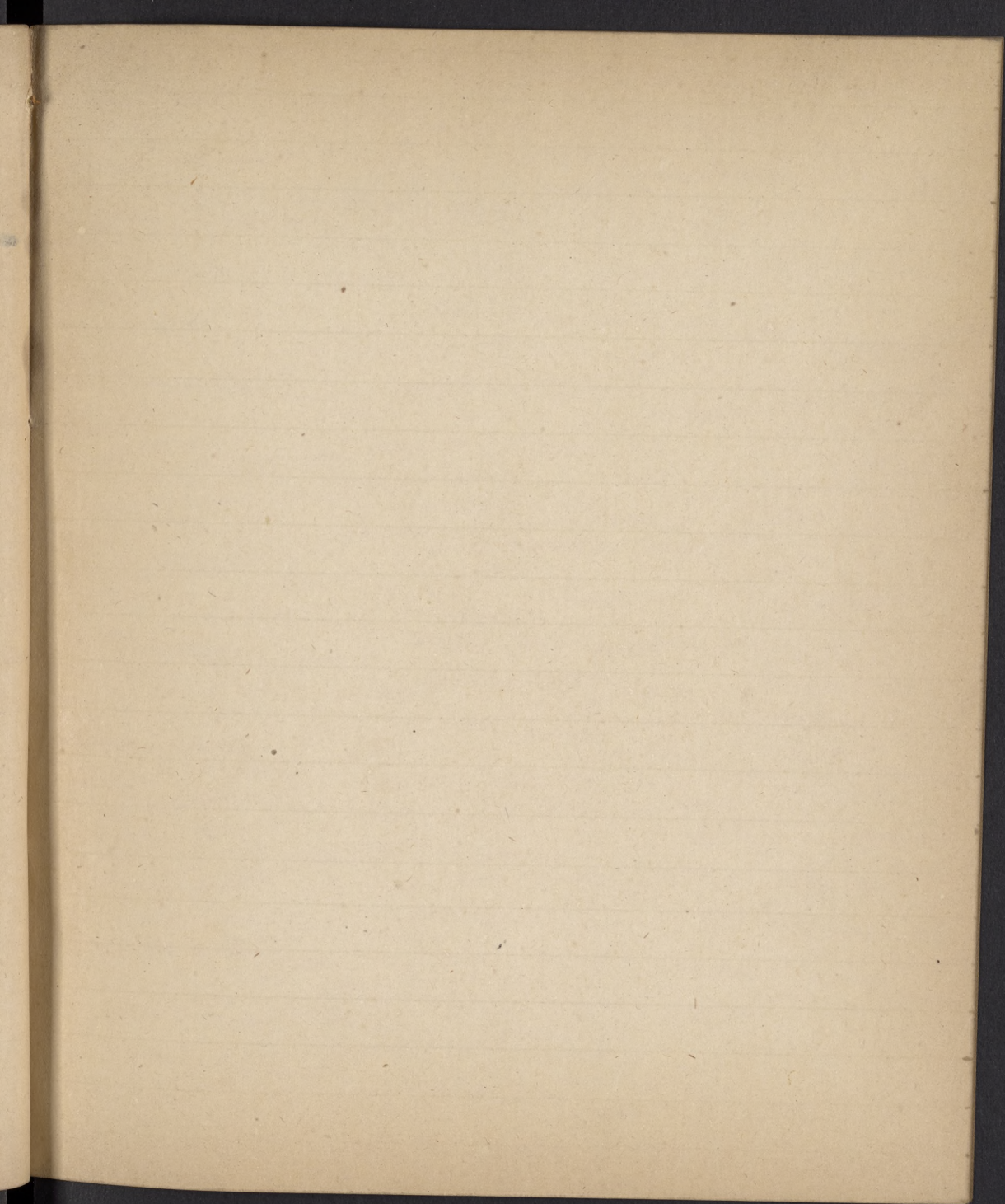








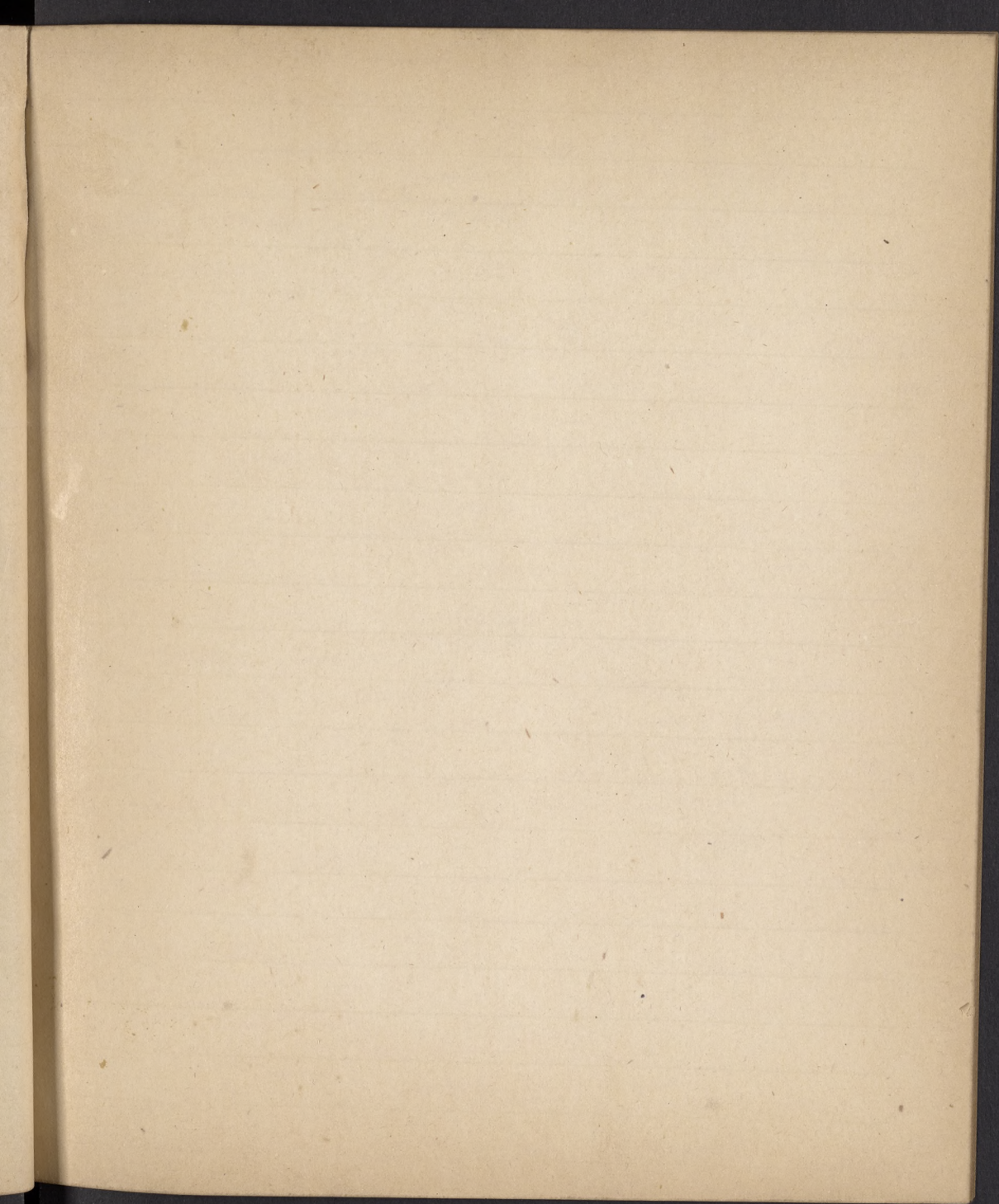








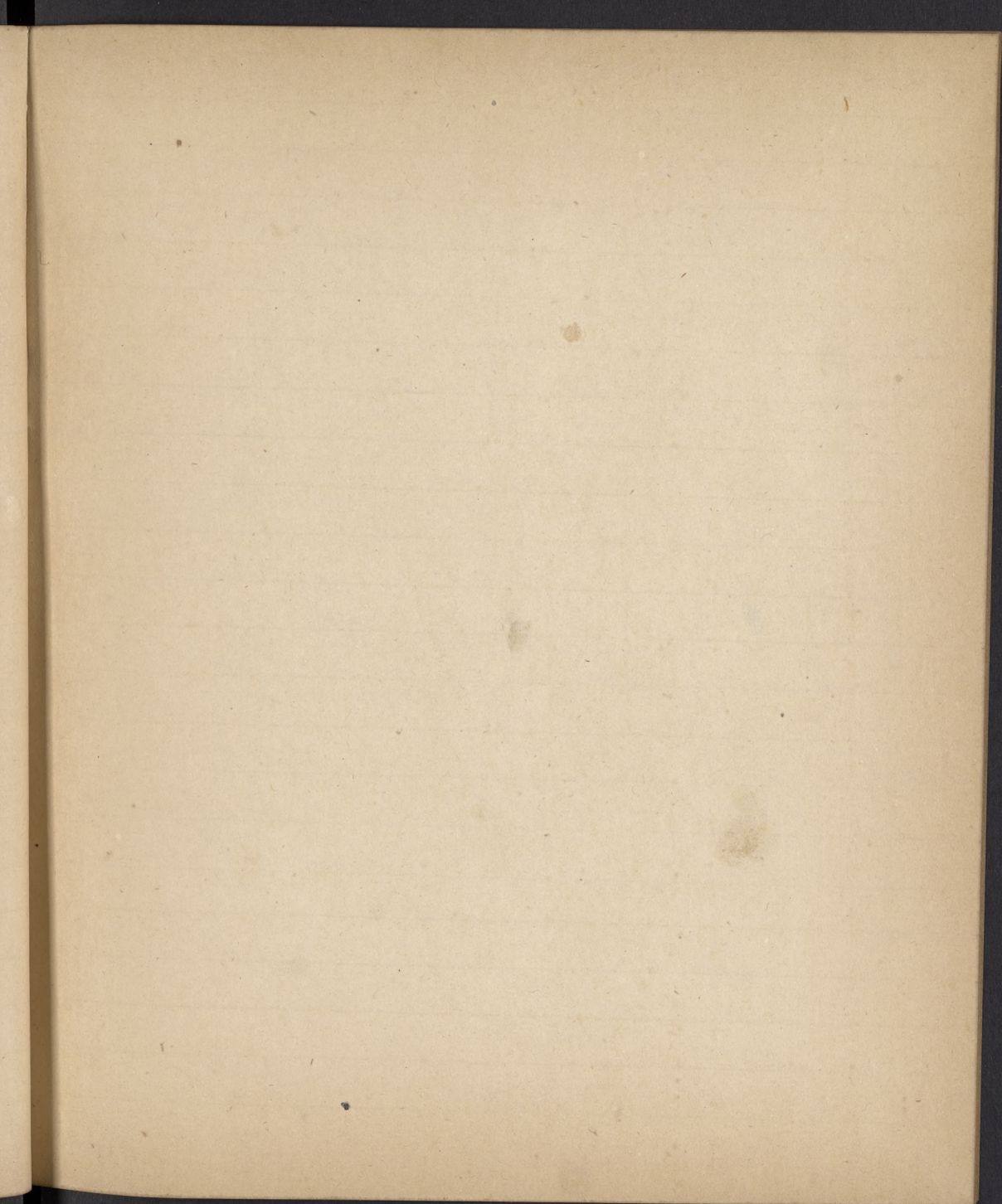








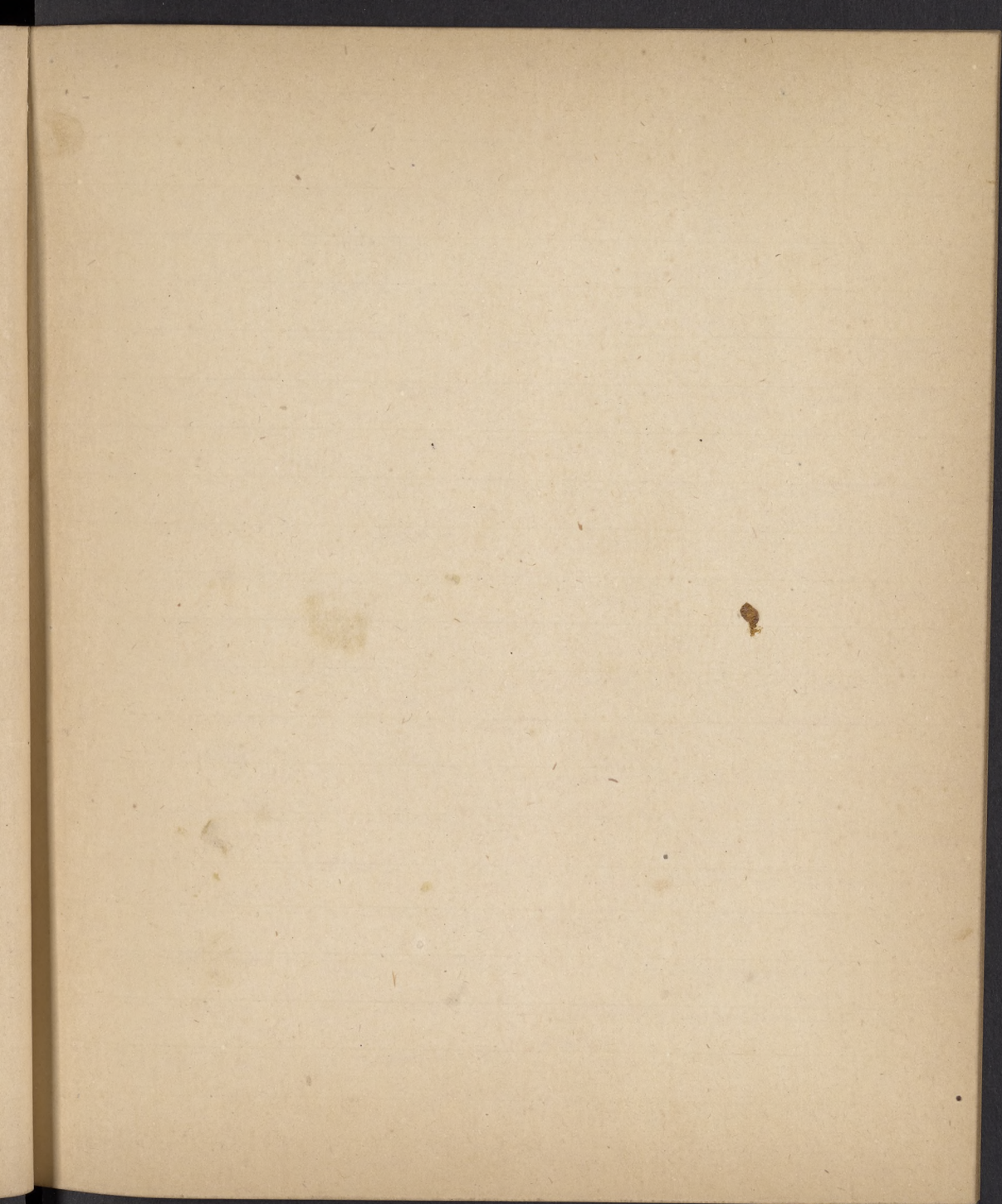








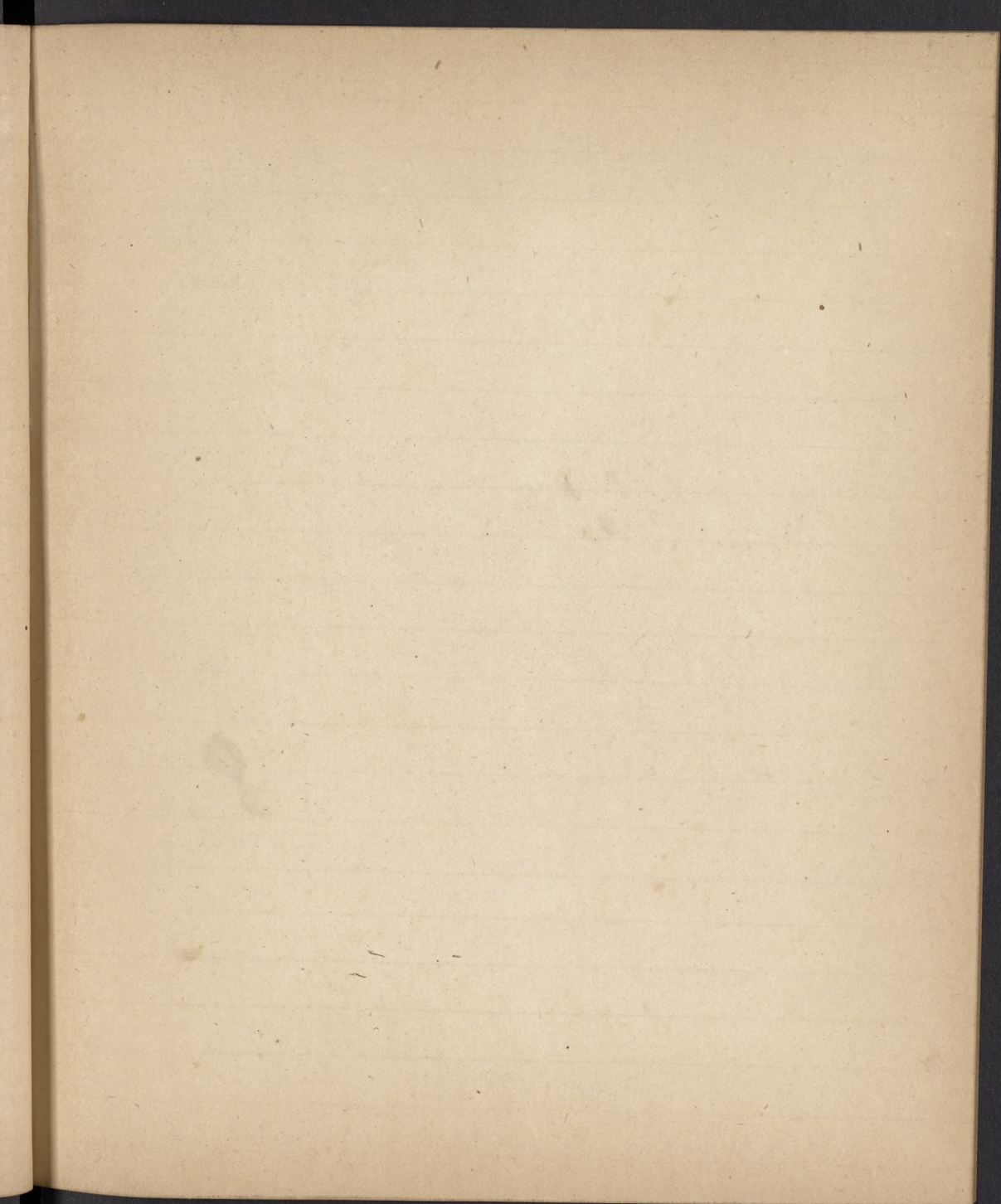








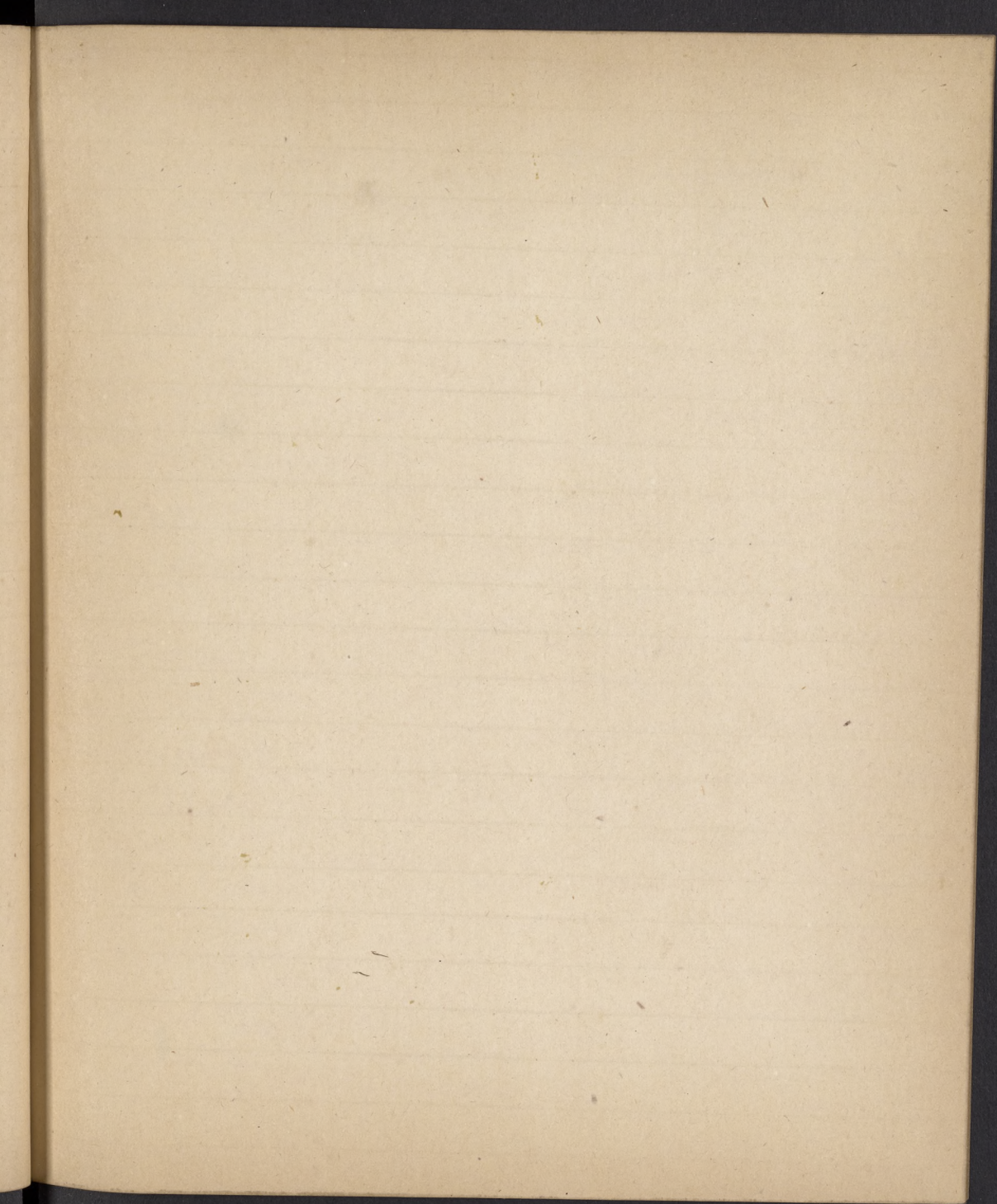








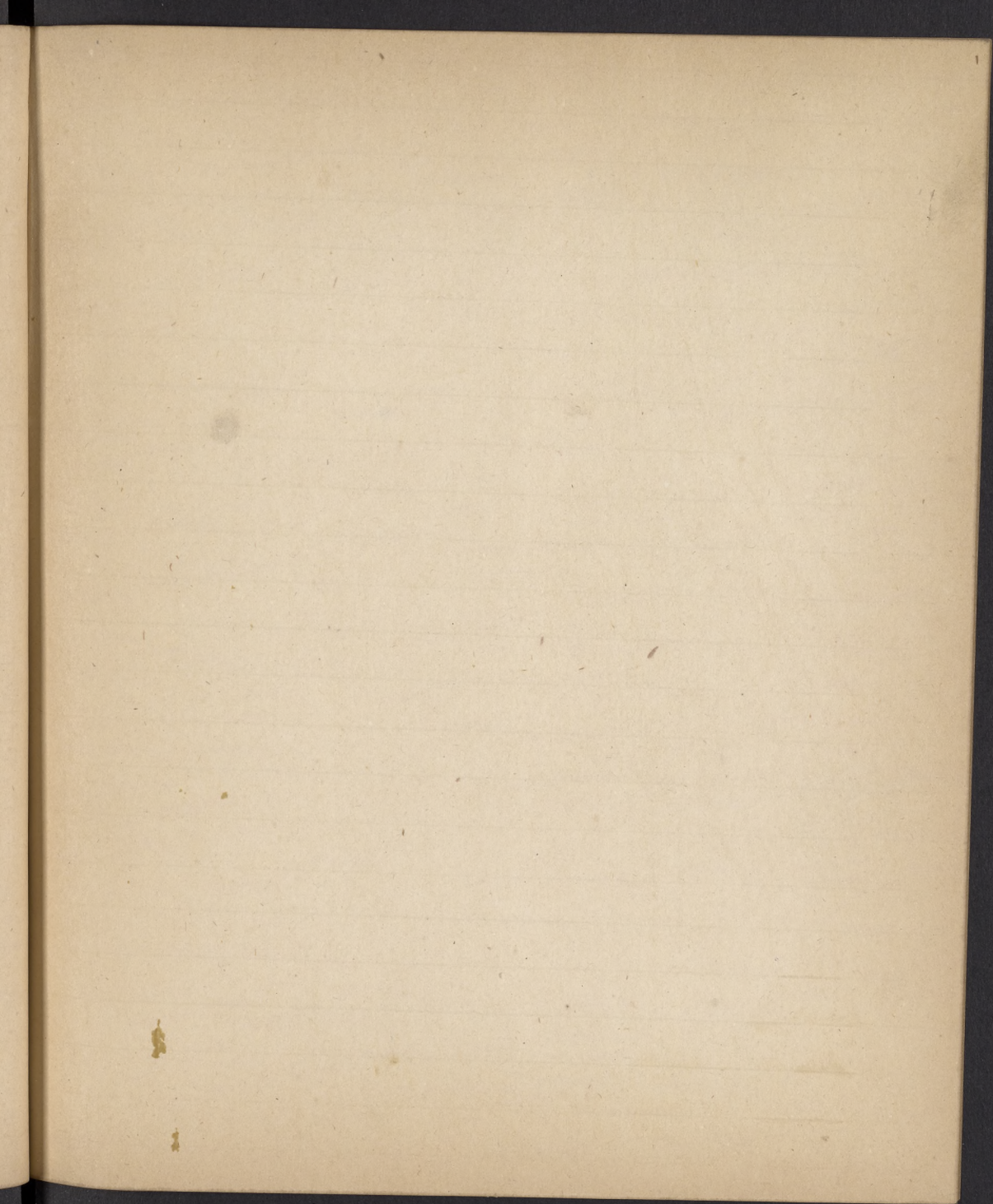








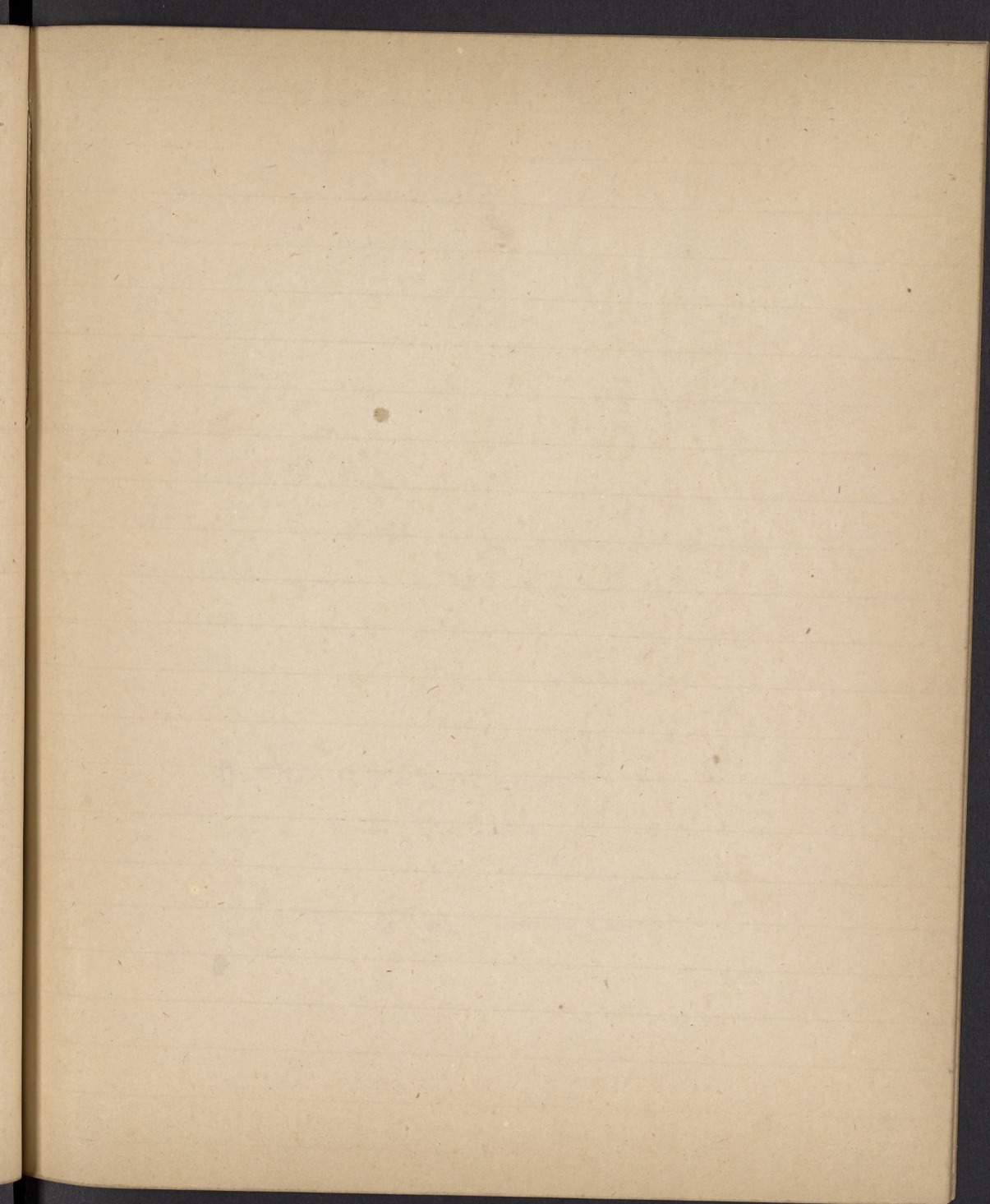










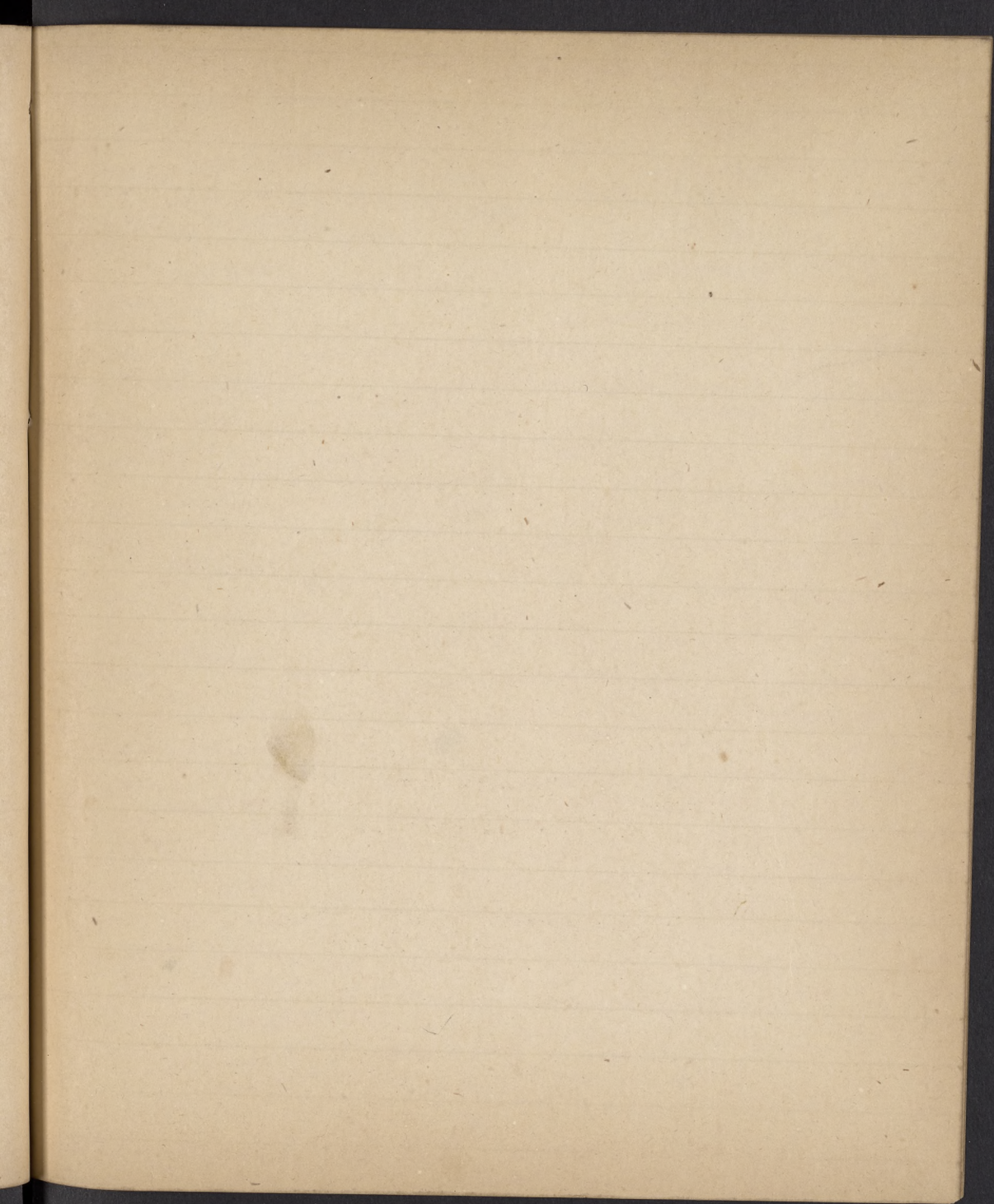




Dr. Thomas Chesson  
San Francisco  
Clara Chesson

J. M. Chilton

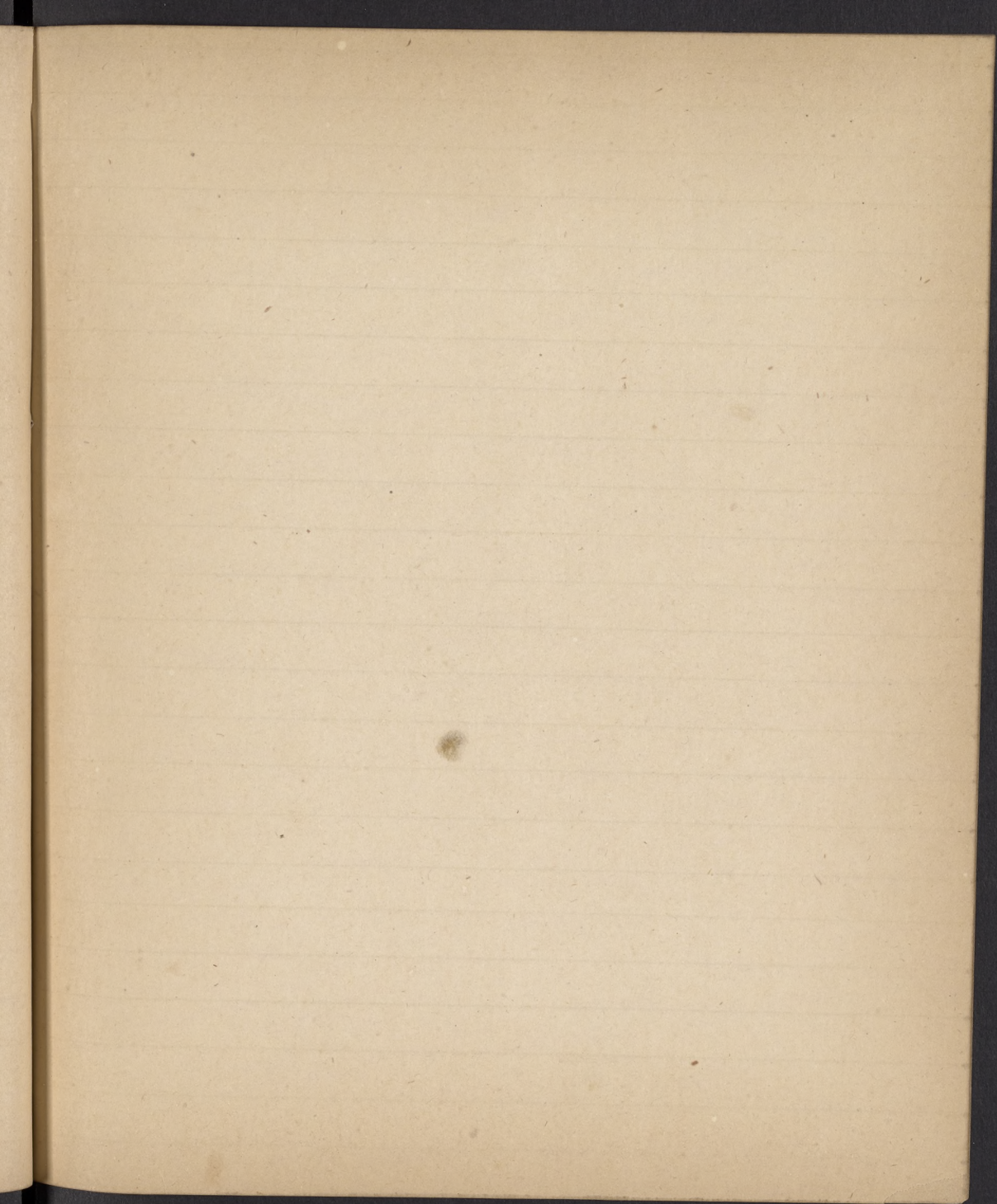




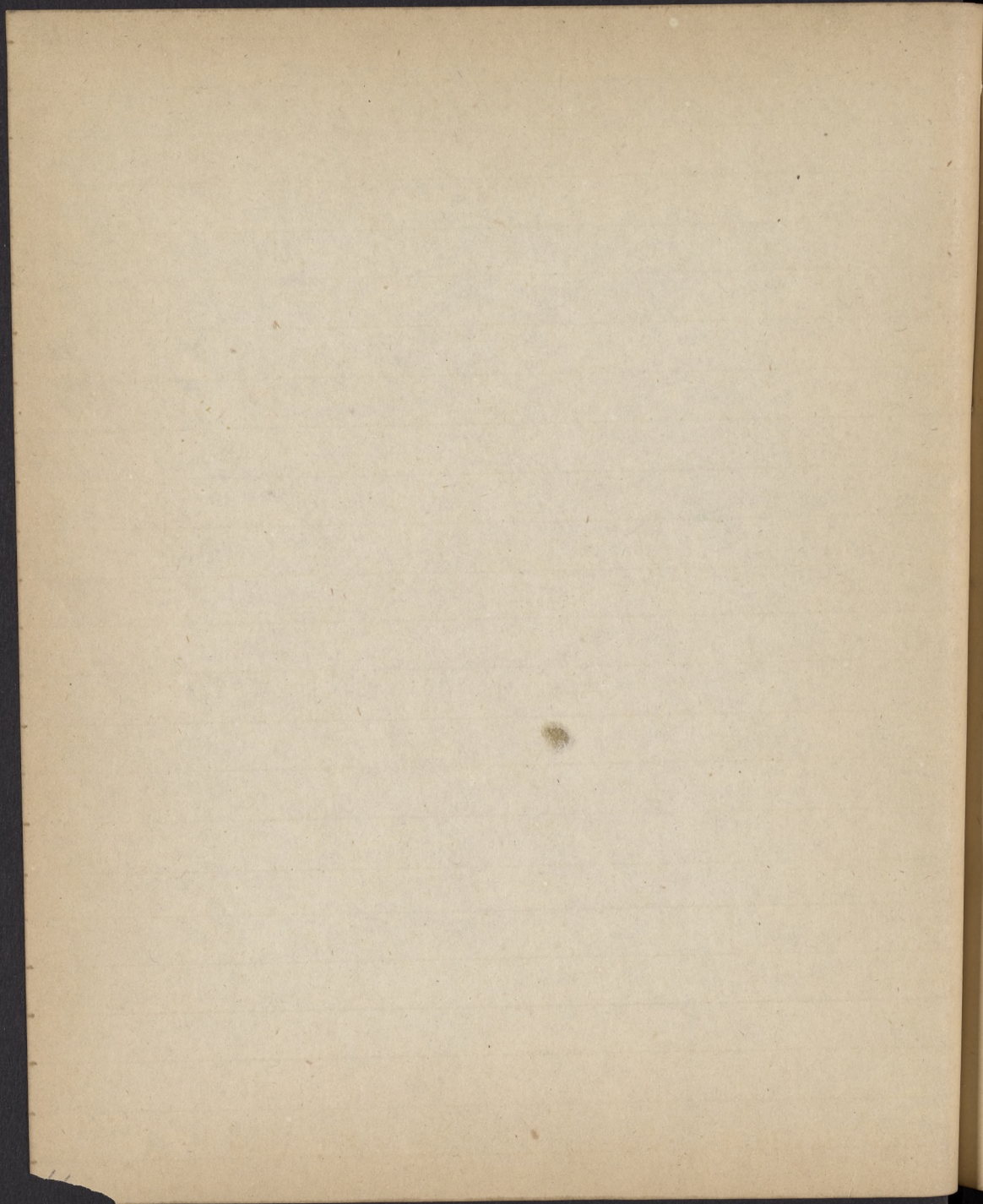




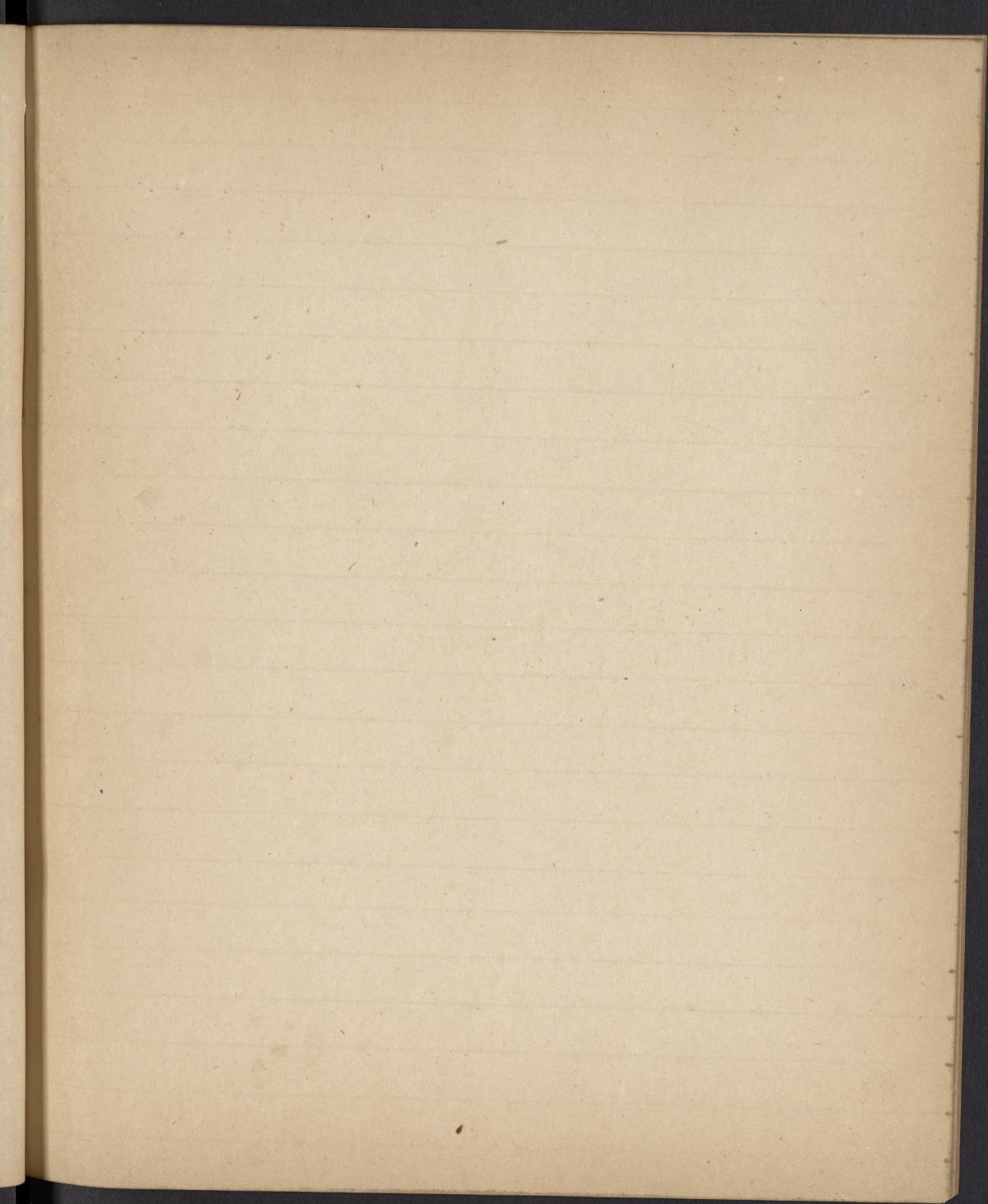








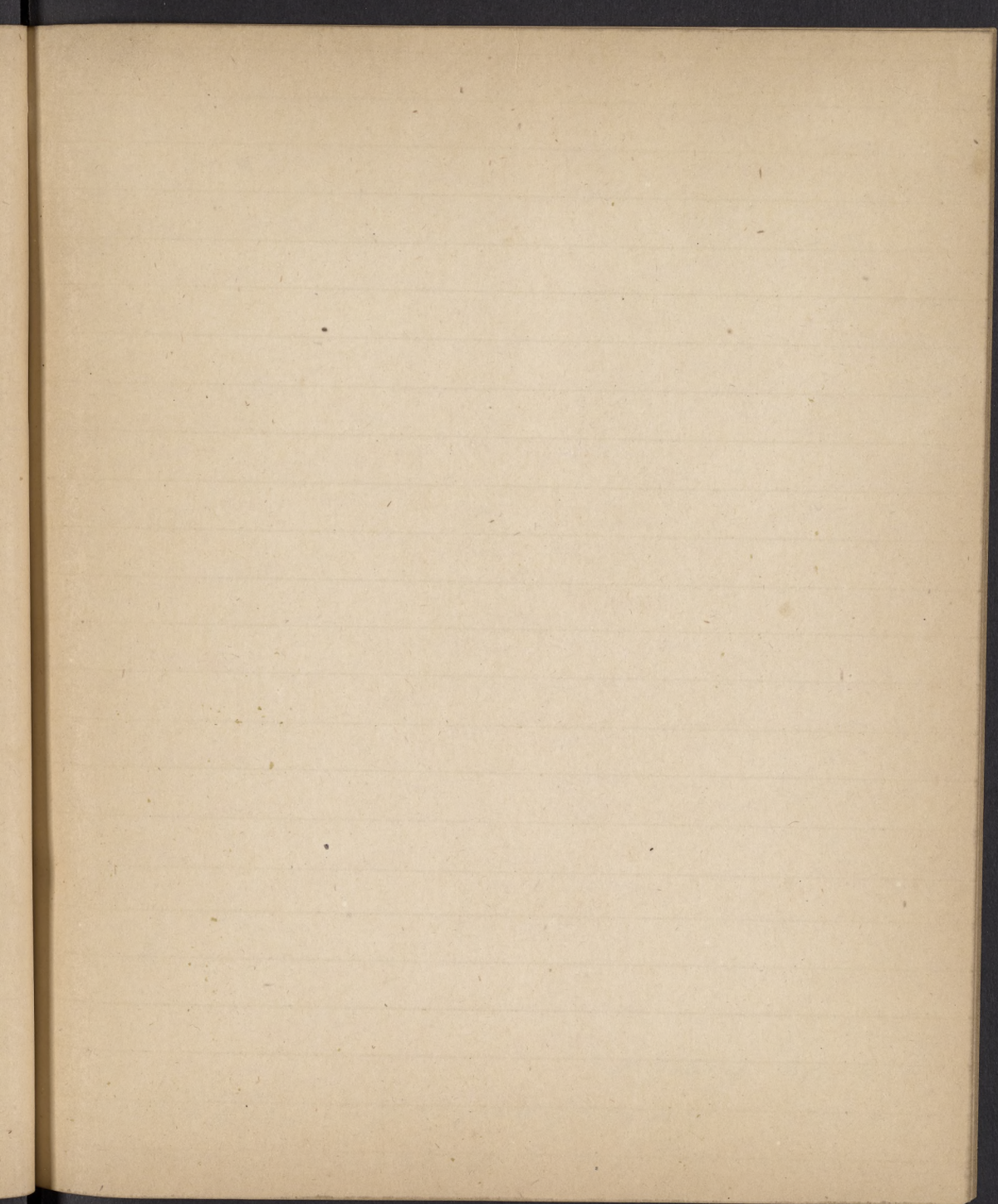


















From - could continue them at  
home. They should be made to  
go by law.



73

Cases, result of withdrawal & ex-  
haustion must give Opium  
+ a certain amt. of Alcohol to  
save life. Op. fr. ~~fr~~ every 2 or 3  
hours. Brand - Bps every  
2 or 3 hrs. gradually withdraw  
it to allow elimination.

Pr. Valerian. Bty - 3-4 times  
a day. Blisters to back of neck  
will often procure sleep.

A - Common for Alcohol with  
Wormwood; it is a nerv. Sedative  
& disguises taste of Alcohol.

Don't check action of Emmunct.  
Warm baths &c to aid elimination  
of Uresein vomit? - Blisters

Trnopl. or Ag. Calc. & Ag. Cin-  
nam. - see &c.

Ether not useful except for the  
Spasms.

Large doses of Digitalis - don't  
do good except as diuretic -  
A - never uses it.

Send patient to Public Institute



with impunity. The purer the  
better & the least liable it is to  
bring on "mausia a potu".

Tobacco, Opium &c may bring  
on such symptoms - So over-  
work, but not the peculiar  
delirium & specimens of that of  
alcohol.

Pathology - has been supposed  
that over stimulation brought on  
a depression, exhaustion.

It is not result of cerebral  
exhaustion fr. withdrawal of  
stimulus, but fr. the presence  
of alcohol in the blood - thought  
by Englishmen.

It thinks it due to irritation  
of alcohol on nerv. system,  
but that its withdrawal  
causes exhaustion.

Treatment. In mild cases,  
little is required, but a fair  
dose of Opium to calm  
nerv. system. In other



May not pass beyond "horrors",  
Sometimes a sort of periodical  
insanity - fit on a terrible drunk  
once a year or oftener.

"Mania a potu" sh<sup>d</sup> be limited  
to cases in wh. there is wild  
delirium fr. excessive drink -

Alcoholic Saturation here -  
Symptoms of Meningitis except  
headache & fever.

Danger - First attacks may  
fatal - Every attack leaves  
it's mark - Liver or Kidney being  
more or less impaired & elimi-  
nation more or less prevented.  
Less serious when it results  
fr. want of drink than when fr.  
excessive drink & wh. is kept up.

One in ten dies. Ventricle may  
contain serum of an alcohol-  
ic odor - fatty degenerations  
of kidney or liver.

When emunctories are active,  
great quantities can be taken



being positive that all sorts of things are running around the room. Sometimes they think a demon is pursuing them - then they are apt to injure themselves or their friends. (May jump out of window &c. (Dr. Saw a man in Arch St. in his shirt-tail.)

(Picture of man's visions.)

{ Demon - Sometimes of whole body - Every muscle contracting. Pulse small & frequent - Cold sweat. At first sleep is disturbed by disagreeable dreams, dream like realities. Hallucinations comes on later.

Dyspeptic troubles, high colic, urine scanty, icteric & blue. Pupils contracted - frequent tirring. pulse - cold & clammy skin. Convulsions come on later. Stupor, like that from abuse of Opium - Caused by passive congest. of brain.



as Counter irritants - Opium.  
Tolerate large amt. of Opium - Grs -  
Morph. every 2 hrs. for days.  
Inhalation of Ether -  
Corticin. & Lobaccos depressing.  
Belladon. Hyoscyam. no better  
than Opium.

Codal. & alkalies of Rheumatism.  
Gastro-intest. irritat. St. Germain.

Delirium Tremens Delirium

fr. Alcohol. Delirium, nervous  
tremor & insomnia - very com-  
mon in this country.

When mild - "the horrors" - all  
sorts of imagination - dispos.  
Later imagine they see or hear  
things - they know they do not  
exist at first, but later in the  
night they think they certainly  
do exist. Later their judgment  
becomes impaired or destroyed  
& they are perfectly miserable



P. m. - no organic lesions.  
Strychnia may induce artificial  
attacks. Conjest. of Sympathetic Syst.  
has been seen.

{ Dr. thinks it dependent upon a  
Conjestion of Spinal marrow - may  
not be found p. m. Blood leaves  
ant. Columns & travels to  
post. Tetanus, result of  
reflex irritat. Similar in path-  
ology to Epilepsy & Chorea - in  
the latter a want of co-ordinating  
power - Conjest. of Spin. Cord is  
rare. Tetanus Masticatorius  
occurs 7<sup>th</sup> day of life fr. inflam.  
induced fr. laceration of Umbil.  
Cord - not in healthy children.  
Pressure on bones of head may  
cause. Child can't nurse  
& its body is constricted - black  
lips - face black.  
Treatment.

Cups, Blister, St.  
Liz. Al. Gербинн & Dr. Guthrie



p-m. the body is cold.  
Treatment of Cataplexy same as  
 for Hysteria.

Feb. 27<sup>th</sup>

~ Tetanus - means to Strife.

Common Traumatic - sometimes idio-  
pathic. Common cold, Southroat rigid  
 jaw - Epiact. distress - ticked in thrust.  
Ratius contracted - Nostils expanded -  
 mouth firmly closed. Paroxysmal -  
 sometimes very severe pain - occasional  
Dyspnea, Dysphagia, incontinence -  
invol. discharges - are fr. contraction.  
Edipath. Contractions less violent.

Atmosph. changes - hot sun & cool  
 night air - West Indies. Congest. about  
spinal column. Tetanoïd Rheuma-  
tism sometimes. Opisthotonos -  
Emprosthot. Pleurasthot. Trismus,  
Dyspnoea - less so in idiopath. than  
Traumatic forms. Exhausted patients,  
 or may end in inaction.



Contractions of muscles.  
Sometimes oblivious, some-  
times perfectly conscious.  
{ Apparatus form of hysterics-  
tic, instead of Clonic Con-  
tractions. Patients said to  
be in a trance - death like  
appearance of countenance  
& scanty Sec. respiration.  
Beware of burying patients  
too soon in epidemics.

The Eye nerve has the appear-  
ance of death - The heart  
may always be heard if lis-  
tened for.

(Body swells enormously after death,  
hence the supposition of the that  
premature burial has been re-  
sorted to. fr. coffin being burst)  
Fat persons don't get cold soon  
after death.

{ Don't pack in ice too soon  
& don't bury in less than 24  
hours after death. Don't make



resembles organic disease.

Chronic Vomit - often seen -

Great spinal tenderness.

Eat largely & immediately after -  
wards vomit everything -

don't have their bowels moved  
more than once in two months.

(Rutledge Wayne - Penna. Hosp.)

Treatment.

Look to Uterus -

Digest. organs - give tone to  
Nerv. System, Nutrit. diet,

Cheerful Society, Tonics, avoid  
depressing Causes. Small

Doses of Belladonna, Valerian,  
Hyoscyamus, &c.

Catalepsy,

A form of hyp-

tertia - Means to "Sleep Budding" -

Eyes often wide open - features

may be pale & deathlike -

patient remains in same  
position in wh. placed - tonic



profound oblivion during attack,  
as in Epilepsy. Has occurred  
in nervous men. Mental  
Emotions may excite it -  
Ultimate disturbance.

No pathological lesions.

{ Pathology - A convulsion, my-  
inating about the respirat.  
organs in Spasm - may  
be pr. affected of gaultheria  
System. Never fatal.

{ May produce hysterical  
insanity - patients strive  
to deceive physicians -

It is an insanity - don't let  
them know you suspect them  
of trying to deceive you.

Hysteria called "protein dis-  
ease" because it simulates  
so many diseases.

Don't draw off her water -  
let a nurse do it.

Hysterical paralysis is spas-  
Sometimes - contraction



can't always cure.

Migrate the System & keep  
of Quinine, Arsenic &c

R - 3 $\frac{1}{2}$  Balet's mass

R XXX - Supp. Quin.

R IV - Ext. Belladon.

R V - Ext. Ignat. Amar.

H. Pil. XXX.

Dy. Me 3 times a day.

Hysteria -

Nervous palpitations, flatulencies, crying & laughing alternately - Symptoms  
Convulsions come on - Hysteric fit. Scream, convulsed violently  
mouth closed tight - Spasmodic  
affect. of face - Sometimes  
tonic contract - parts keep  
any position in wh. they may  
be put. May last days,  
hours or weeks - slight  
remissions - No profound  
sleep after attacks & not



Reflex irrit<sup>n</sup> - Laries, An-  
dynes.

{ When associated with in-  
flammation. leech or cup.

{ Conjunct blister - derivatives.

Cup over spine removes con-

gestion - apply blister as a

subfacient over painful

spot in spine - don't leave

on too long - increase Conjunct.

Ext. Bellad. Solut. of Camph.

Aconite or Verat. Tincture.

Chloroform -  $\beta\gamma$  - Potass.

cyanoide  $\beta\gamma$  - Aconite -  $\beta\gamma$  -

{ Dysdermic treatment - Caution

Cure, but relieve. Anodynes

injected through minute Syringe.

Magnesia Solut. of Morph.

pt. xv - Equal.

Dividing the nerve does not

nerve is reproduced - may

be cut out - but nerve of

motion may be divided for



81  
of hip - more difficulty in moving.  
+ some fever. Of in the case of nerve,  
can't distinguish often.

Costal pain due to knee -  
look at apex + diaphragm of pa-  
tient - see if buttock is flat-  
tened. Muscular pain of chest -  
not so much in interest, spaces  
as on ribs. Pleurisy - ~~Respiratory~~  
friction sound.

Submamillary region in  
females with drops + palpitation.  
Don't confound with affect-  
of heart. D. thinks Angina  
Pectoris is due to over disten-  
sion of left auricle.

Gastralgia - of stomach.

Treatment.

Avoid Causes.

Exhaust<sup>n</sup> - discharge, food  
Don't sh<sup>d</sup> be given - Stop hard  
study - rest + refunctions  
of all organs - remove



Local causes Neuralgia.

Rheumat. affect. of head closely resembles - it is tragic neuralgia,  
It be called Oromatalgia.

Lenders life a burden - not dangerous - sometimes ends in insanity, especially Trifacial Neuralgia.

Trifac. Neuralg. - May be at one orbit & at great pain - generally one sided - disappears & reappears elsewhere - ityphoid point sometimes - where nerve makes exit.

Inflam. of frontal Sinus or Antrum may be mistaken - but pain is more persist. & some fever.

Scalation - down buttock back of leg - forms most common - pr. mis- placed uterus or fecal accumulation.

Wast. of limb &c. Rheumat.



59

Constit. disturbance. Apt to termin-  
ate in copious secretion.

Cause - Nerv. temp<sup>l</sup> females -  
15 - 45. During menstrual period.  
Loss of rest, hard study & bad  
diet. Sleepy nervous living kindo-  
lent habits. Cold & dampness com-  
mon exciting causes. Rare fatal.

Nerve has been found softened  
& sheath injected. Nature - Some  
believe it an exaltation of nervous  
function. Its evidence of inflam.

A functional disease. Congestion  
will cause pain - Great pressure  
destroys sensibility. "Nervage"  
intermittent - periodical - pins  
Slight redness.

It depends upon congestion  
somewhere in the course of the  
nerve. Tonics &c improve  
heart & tone & relieve passive con-  
gestion. Syphilitic. Rheumatism  
resembles it - comes on at night  
too. It is attended with effusion



Good but ~~re~~ increase. Red con-  
presents spin tone to heart-  
relieve passion Conject<sup>re</sup>.  
~~Cerebrum~~ ~~Abnormal~~. probably  
most Conject<sup>re</sup> - Ends at right,  
Remove Cause. Tonics as  
in Epilepsy - Antispasmod.  
Valerian re. Don't overload  
brain, take Chlofr. Scherl.  
bathing, Exercise re.  
Strong analogy bet. it & epilepsy -  
latter more frequent in adults -  
passion Conject<sup>re</sup> in diff. part  
of cord.

Feb. 26<sup>th</sup>. Neuralgia.

Pain - very intense Int<sup>re</sup>. Not al-  
ways. Men numerous & perverted.  
Sensibiliz<sup>re</sup> sometimes. Not increased  
by <sup>great</sup> ~~pressure~~ <sup>but by slight</sup> pressure. Paroxysm at night  
full may last minutes or  
hours - May be periodic  
or not but not intermittent.  
No evidence of inflam. & little



appear. Rheumat., Dialecticis  
often attended — produced  
by Rheumat. inflam. of Spinal  
Membr. Bellows' mummified fr.  
my. Contract. of Columnae  
Carnae. Rare in old age —  
more common in girls than  
boys. Don't confound with  
Spasm fr. hysteris, inflam.  
of Spinal Cord &c. Nervous  
Rough &c often manifestations  
Often obstinate & apt to relapse  
Ending in temporary paralysis.  
No patholog. appearances.  
Nature — M. Han thinks it  
an affect. of Spinal nerves —  
Carpenter — Cerebellum.  
H — thinks it neither — very  
frequent, nothing but an  
exaltation of nervous system  
Spasms caused by any irritat.  
Passive Contract. of Cerebellum  
or medul. oblongat. often exist.  
We have Acnesia. Series



with fidgets - pedagogic flops  
Child. Temper - irritable -  
involuntary. Convulsions never  
Cause Sense of Exhaustion  
Mind is not impaired gen-  
erally. But heart beat  
fast.

Local form - Incontinence  
of urine - bladder contract;  
Stammering another form.  
Cough - Spasmodic - Asthma,  
Dysphagia &c.  
C. Salam - p. gracilis bows  
made in disease.

Occasionally perfectly per-  
iodic.  
Cause - Anything dis-  
ordering Nervous System -  
Intest. worms, Mastur-  
bation, Too much stud -  
Disordered Menstruation -  
any reflex irritat.  
Children who have had it  
apt to have it when Catamenia



53

Can't find local cause. Arf. Nis.  
has been largely given - Colors  
Skir. Prep. of Copper - Ammoniacs  
Doubtful Solution. Iron - Oz. Fine.  
Lgin. Supt. Antispasmod? -  
Belladonna, Hyoscyamus  
Scenicus. Bromide of Potassium  
Thought to be better than Iodide  
by Brown Sequard. Valerian  
Assaf. Musk & Camph.  
Promote Genl health.

Chorea - Means "dance"  
"St. Vitus' dance". Irritability  
of temper, fidgety, startled by  
any noise - followed by convul-  
sions more freq. in left than  
right arm - this probably  
being weak side. Face very  
much affected - grimaces -  
Shutting & opening Eyes - Tongue  
protruded & jerked back -  
Pacit unsteady. May end



Tracheotomy, save life & often cure  
patient by having a permanent  
opening - Keep plug in hole  
pull it out wh. attack is  
coming on - prevent compression  
& poisoning of brain. N<sup>o</sup> 2 doubts  
whether operat. is justifiable.  
Arg. Nit. has been applied to  
Larynx to destroy excitability -  
unsuccessful.

Morbif. matter retained in  
blood pr. int<sup>l</sup> lesions or dis-  
ordered prim. assimilat. -  
Supposed by some - don't  
seem to be the case.

Tourniquet has been applied  
unsuccessful, except through  
imagination.

Remove exciting cause -  
disordered menstruation  
Uterus, Spicula of bone &c.  
Stop Chewing Tobacco (Litt. &  
in Penna. Hosp.)

Give Conies, min. doz. if



What is going on around them.

Face not so much distorted,  
Patient generally manages to  
fall on a soft spot - Don't  
fall in Street.

Apoplexy has no convulsions,  
but paralysis.

May have feigned Epilepsy =  
The pupil is not fixed - heart  
is not tumultuous, respiration  
not sighing - localif - chosen  
for being attacked: Not total  
insensibilif - Stick a pin in  
him.

Treatment.

During attack  
give fresh air & see that he  
don't injure himself -  
Sinapisms to lower Extremities.  
Water in face - inject of any.  
Not necessary to bleed - Don't  
attempt it - Can't control  
hemorrhage.  
If violent, have to resort to



Muscular movement. - Centric  
Epilepsy; When due to reflex  
imitation - Eccentric.

Many think True Epilepsy shd  
not be due to organic lesions -  
nor should it - Epileptiform.

Due to exaltation or increased  
Mobility <sup>or irritability</sup> of Nervous system -  
constitutes True Epilepsy.

Local causes often attributed  
to Epileptiform Spasms called  
Epilepsy. Marshall Hall  
thought it due to irritability  
of Larynx.

P-m - tumors, Exostosis &c  
may act as excit cause, but  
the pre-disposition must exist.  
Hysteria has violent Convulsion  
often diff. to diagnose.

Hysteria often in women.  
Neuralgic & hysteria distur-  
ances. Convul less violent,  
No biting of tongue, no profound  
sleep afterwards, no oblivion



may last many hours.

There is a mild form - looks like momentary reflexion, Spasm about throat &c - very unmanageable. Mental inhibition follows.

The longer it lasts the more difficult to cure - idiot follows when long cont'd. Patient may be

attacked at any moment - hence dangerous fr. liability to accidents. Hereditary - particu-

larly unmanageable. Occa-  
sionally fatal fr. Exhaustion,  
sometimes fr. Apoplexy,

sometimes fr. Asphyxia.

Cases of reported cure - probably  
often Convulsions, not Epilepsy.

Moral or therapeutic agents

may postpone attacks - Excited  
again by many causes.

Etiology - sometimes lesion of  
Nerv. centres - Spicules of  
bone, tubercle &c pressed on  
part of brain controlling



Feb. 25<sup>th</sup> Epilepsy.

Meas. Seizure upon - convulsions  
Loss of Sensibility - frequent dys-  
peptic symptoms & irritability of tem-  
per. precede - Sometimes feel like  
air passing over lower limbs -  
passes up to head - Not Common  
General Sudden - Patient  
falls, convulsed, face livid,  
tongue bitten, frant. - Pupils  
fixed - pulse frequent  
diff. respirat. Noct. Discharges,  
p. Contract. of invol. muscles.  
Prod. durat. average 3 mins. -  
Stupor or sleep after end - Mind  
Confused on waking - Soreness  
all over body - I don't remember  
having the attack. (Not always  
noisy - may have scream -  
Echymosis of Conjunctiva  
or blood spots on face when dis-  
charge gone on a short while.  
Sometimes frequently repeated -  
may be periodic, or Series



(D. agilis) - old people - same  
Cause. Paralysis in same per-  
sons caused by thickening of mem-  
branes &c.

Facial paralysis - Caused by  
paralysis of 7<sup>th</sup> br. of nerves - Can  
only smile or frown on one side -  
Eye opened or shut on one side.  
99-100 cases trifling - result  
of cold causing thickening of  
thee. Rheumatism often  
Causes. Mercury small  
doses. Iodine, blisters locally.  
Thickening being removed from  
Vul. Genat. Amar. & Electric  
of striae. fr. want of nerve  
power.

A form due to fatty degenera-  
tion of muscles - form of  
Croup & palsy.

Must ascertain of acute  
Cause to treat properly.



partial paralysis - feel like  
tight rope around body.  
Cups, layettes & counter-  
irritants.

Spinal Apoplexy - pain,  
rapid paralysis - part affected  
influences localities of paral-  
ysis. Treatmt. Ab of brain  
precisely.

(Meningeal Apoplexy occurs frequently  
in children - effusion under meninges.)

Paralysis

Not a disease,  
any more than dropsy, jaundice  
&c. - only a symptom of  
disease of brain or spinal  
column. Must know cause,  
if inflam. Antiphlogistic?  
If effusion - Ph. Lod. treat  
paralysis caused by Strychnia,  
Electricity.

Croupal palsy - comes on  
gradually fr. impaired  
nutrition of brain.



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Localiz<sup>n</sup> of paralysis depends upon  
localiz<sup>n</sup> of inflam. Abdom.  
parietes & diaphragm pr. inflam.  
at middle part. Acute Col-  
ums - loss of motion - post-  
Columns - loss of Sensation.  
Softening - red - Serous or serumous  
infiltration. Chronic - "Caries  
of scapula" - old, young - people -  
similar to white Softening of  
brain - Result of impaired  
nutrition - Drill, pain low  
down - loss of control of sphincter  
or lower extremities. Bed Sores &  
exhaustion does.

Scabrous. Acute Myelitis -  
Spiegeledeplition, Counters  
with large act. doses of  
Calomel. Chronic form -  
as in brain - no antiphlogistics  
Tonics & nutritious diet.

Spinal Cord. Result of  
Exposure - intense pain,



marrow.

Spinae Meningitis - Severe  
pain & spasms of a tonic charac-  
ter - Improv. or Opisthotonus.

Numbness, partial paralysis,  
Tremors if in upper part of  
menbr. May extend to brain  
than convuls. Delirium &c.

Danger - if in cervical portion  
extends to brain - great danger,  
if lower, partial paralysis -  
may live a great while.

Severe accumulations  
below & cause paraplegia,  
Rheumatism, Cold & Flows.  
are active causes.

Treatment - Same as for marrow

Myelitis - Inflamm. of spinal  
marrow - Extension of former,  
or fr. flows, congest. Cold.  
Pain, not as great as former,  
No Spasm, but Numbness  
& then paralysis - perfect.



when pushed too far - Causes  
passive congestion.

Treatment of paralysis following -  
Limbs become emaciated - impaired  
nutrition & tendency to gangrene -  
May be due to pressure of clot in  
brain on nerve supplying the part.  
Must not endeavor to excite Nerv.  
Centres before Senescent Moments -  
induces congestion. Strych. or other  
Tonic, friction & passive motion  
help. Take care of bed sores -  
keep bladder empty.  
Altered tendency - if plethoric &  
Exercise, gentle Lay. Blue  
disturbs circulation - provokes  
increased action of heart.  
Reduced diet.

Diseases of Spinal marrow }  
Not so well understood as diseases  
of brain - hard to get post-mortems.  
Myelitis - inflam. of Spinal  
marrow. Rachitis - inflam. of  
Spinal Cord. Not necessarily



he live some weeks - firm Coagula  
instead of forest clot. 2-3 mos.

Cyst. Still later a more Cœcating.  
Can't infer Seat fr. loss of motion re.  
Clause - White Soften - blood  
vessels diseased, ready break;  
Moderate plethora predisposes.  
Diseases of heart

Hypertroph. - more common  
Dilated. Valv. disease.  
Gout (Colicium don't predispose)  
Straining, passion, Excession  
raging & drink &c.

Locatn. Nigrous Sulphur,  
bleed to diminish vis a tergo  
& divert blood. Pale - febrile  
feeble or doubtful cases -  
One cup back of neck -  
Cold to head - Sinapism  
to feet - purge - Ol. Lil.  $\text{℥} \frac{1}{4}$  -  $\frac{1}{4}$   
Ol. Oliv.  $\text{℥} \frac{1}{2}$  on tongue. Ol. Sassa.  
&c. by Enema.

Later blisters back of neck,  
Bleeding sometimes delirious



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hemorrhage. Occasional pallor  
face, small, contracted pulse - in  
white softening of brain generally in  
these cases.

Coma - paralysis universal.  
Apoplexy - " hemiplegia.

When result of cerebral softening in  
young old people, feeble health.

Epilepsy - convulsion disease - no  
general in Apoplexy general.

Loss of consciousness fr. Serious  
effusion known by Altraminum  
specimens history.

Very dangerous - not one of three  
entirely recovers - patients more  
or less lame & mind flighty afterwards.  
Constant tendency to return. Often  
associated with disease of heart or  
preceded by white softening - impaired  
nutrition. Lower extremities generally  
restored to health before upper  
& Sensation sooner than motion.  
Q. m. - Clot of blood common  
in central portion of brain. If



Feb. 24<sup>th</sup>

# Apoplexy of brain.

Effusion, hemorrhage &c causing certain symptoms has been called Apoplexy.

It Causes hemorrhage into brain or meninges, causing loss of consciousness or motion.

Common Causes, or Seedling, may be with loss of vision &c.

Full & bounding pulse, paralysis on opposite side of face - flushed face - distended

pupils. Effusion occasional into right or left ventricle, severe paralysis & sudden death.

Occasional Cause of paralysis side - Effusion then under meninges. Sometimes

most numerous at first - then paralysis & loss of consciousness. Acute & fatal due to amount of effusion or



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hope of cure not so great an enlargement.  
Cause - Blows, tight lacing or ad-  
vanced age of patients - offspring  
of prostitutes. Treatment.  
Of congenital only palliation -  
paracentesis may prolong life.  
Can't cure. Cases of cure have  
been reported - probably 2<sup>d</sup> form.

Tumors - Fibrous, tubercle,  
Cancer &c.  
Headaches, periodic often -  
Simulate Neuralgia - then  
paralysis, Coma & death.  
Littering fail, dilated pupil &c -  
tumor found at base of brain  
after death.

Suspect Cancer of Cachexia.

Fibrous if result of a blow.  
Treat accord - to Nature of tumor,  
if cancerous can do but  
little.



if mother is Scrophulous. Don't let  
Childs out in hot Sun, Study  
too hard or get mad.  
Acute-hydrocephalus. Result fr.  
Effusion of inflam.

[Hydrocephalus - Chronic -  
May be congenital or acquired.  
Child may live for years - rare.  
If fontanelle close, pressure  
on brain. Seen kills child.  
Child emaciated, bushy voice  
+ mind, blindness, convulsions  
+ death. Bones very thin -  
can see through with a light  
like hydrocele. May find  
fluctuation like a sciss -  
many pints of water in brain.  
Effusion commences in vent. -  
brain becomes thin + spread  
out - base not affected.  
Ext-hydroceph. On the brain,  
not in it. Result of chronic  
inflam. Meningitis - more



Coma & death. Exceedingly fatal.  
Cause - Seropulous Diathesis -  
2nd Dentition General; may be  
Earlier. Reflex irritat. causes  
inflam. & deposit of tubercles -  
Anything impairing genl health,  
{ Treatment. (Ancestral venereal history,  
Intermittent fever may deceive you - Look out  
for Squint & any sign of inflam. of brain.  
Any long cont. & exhaustive discharge will  
cause these symptoms.)  
Tubercles detected by pass-finger  
over brain - Especially at base of  
brain. Microscope required to  
detect tubercle. Examine Ung.  
in cases of doubt. Centre of brain  
softened - in the fissures. Deposits  
in course of blood vessels.  
Treatment & Acute genl lax  
Cup & Ung. to back of neck -  
Induced diet. Insidious Cases -  
Don't give Calomel - Ot. Murr.  
Potass. Iod. Dress head with Ung.  
Iodin. Prophylaxis - Ung. Murr.



Blister nape of neck - drops  
& directs, may blister head for  
effusion. Great pain - but  
Opium may be used - delays  
crisis, & subdues inflam. in its  
Sedative action.

{ Chronic Meningitis.

Adult - Same symptoms & same  
Cause - Delirium resembles  
insanity. Want mild antipho-  
listics here - Comes in insidious  
No fever in latter, then delay  
tendency - diff. Cause.  
Reberc, Meningitis - Children,  
Cough, hectic &c, then vomit  
& head sympt. Sometimes  
Remitt. fever comes on -  
Sometimes as ordinary  
Acute disease - Contracted  
pupils injected conjunct.  
Sight - Taste, nausea & vomit.  
Later dilated pupils, insensibility  
to touch or light. Opisthotonus,



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Obtundat - vomit - Contracted pupil,  
at first - later dilated. Conjunctivae  
injected - Stupor, paralysis, convuls.  
& death. Cause - Intense heat,  
blows &c. Young children fr. large  
amts of blood or reflex irrit. Intense  
ment. applicat. Alcohol, rheu-  
matic, impeded erupt. Not  
so dangerous as Cerebritis.  
Effusion taking place, absorpt-  
ion slow. Very dangerous.  
Arachnoid, milky, thickened,  
cov. with pus &c - Effusion in  
Dura mater. Pia mater closely  
adherent to brain. - Various En-  
cephalitis. Vessels injected.  
Treatment - of brain & meninges.  
Antiphlogistic - Bleedg, except  
in young children or debilitated subjects.  
Leeches behind ear - Cup to nape  
of neck - Leech to Schuider. Ment. &  
Ice to head in bladder - persistent.  
Purgatives - Essential -  
Calomel & Iapap - Dr V. ad.



of fever - Chronic waste disease -  
Cholera infant.

Symptoms latent. Mind is  
impaired, bad memory, Sait  
& speech affected. Paralysis  
& contraction on opposite side.  
Effusion of blood & applying  
later.

{ Red Softening - Brain infarct  
result of acute inflam.  
Slight fever & pain - End-  
like white Softening.

White Softening - You improve in-  
paired nutrition - Tonics  
good food & etc to try & build up  
Strength. Red Softening anti-  
phlogistic treatment.

• Meningitis - Acute.  
Chill, intense headache, Con-  
traction, action delirium,  
sometimes low, pick  
bed clothes. Pulse generally  
more rapid, may be cold.



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lin some times. P.m. - Brain Softened,  
dortisoid red - cinnibrous portier pink.  
Vent. contain Serum. May have at-  
tached - substance indurated & slightly  
yellow if Softening occurs.

Cause - result fr. Hows, Alcohol,  
exposure to intense heat of sun,  
intense mental application.

Chronic - Less marked - hectic -  
paralysis, convuls. & death -

May result in partial paralysis  
& imbecility. Causes - inflammation of  
bones of head, Foramen Scalet Fever  
etc. Induration or Softening or abscess  
found.

### Softening of Brain.

If serum exude or pus is infiltrated  
it occurs, but it also occurs  
fr. impaired nutrition. Brain  
white, like Cream, some blood.  
No evidence of inflammation.  
Blood vessels at base of brain  
diseased, impaired nutrition  
Aged & young persons. Low forms



Crab's claws. Not very common.  
Sturnum common local. Elevated  
Lincoln & pinkish. Looks like  
Scrophulous cicatrix. No pain,  
no great disturbance. May last  
years.

(Here end ~~and~~ Cutaneous diseases.)

Feb. 23<sup>d</sup> Diseases of brain & Spinal marrow.  
Inflammation of brain - Cerebritis.  
May have various tumors &c.  
Cerebritis - pain, not very acute -  
deep seated, pulsating - often re-occurs  
mittent. Can't tell seat by locality  
of pain. Fever - pulse various -  
sometimes irregular, freq. or slow.  
Head hot - pupils not fixed recti-  
dilated or contracted. Constipation  
bowels, nausea vomit.  
Delirium latens. Paralysis opposite  
side diseased. Very fatal if  
effusion - 3-4 days - may



Trouble of pigment cell.  
Macula hepatica -

Warner  
 in pregnancy - high living men.  
 Forehead most common. May  
 be anywhere - may be diffuse  
 or in small spots. Microscopic -  
 scales - Some think it psoriasis  
versicolor. Scales not so ex-  
 tensive as in last & much darker.  
 Rusty looking friction  
 slight. pinkish. Local. Pol. Ang.  
Cupress,

Cutis vera seems  
 blighted or destroyed - following  
Erythema - L. Erythematosa.  
Non Exedens - don't ulcerate.  
L. Exedens - ulcerates & is indur-  
 itable - muddled with - gets worse.  
 Attends to gen<sup>l</sup> health. Local ap-  
 plications injurious - return after  
 excision.

Canceroid, "Keloid" - resembles



black to white. May have black  
white man or "White Nigger".  
Addison's Disease

Ought not to be  
excluded - Means nothing.  
Skin yellow - Emaciation,  
Nervous disturbances. Supra-  
renal capsules in various  
stages of degeneration.  
These bodies not supposed to  
have any function.  
They are near Semilunar  
panc. Any pressure on them  
affects gen. nutrition.  
Capsules have been found  
perfectly healthy after death,  
in distinct. of capsules no  
disease has occurred.  
Argent. Nit. leaves a  
blue discoloration - No cure.  
Moth's marks, Nevus -  
Albino - absence of pigment.  
Skin becomes brown fr. sun-  
burn. Frækel - local



like elephant's leg. Have been aw-  
 'pulated for it.

Frambosiae

Gum or size of cherry  
 attacks especially Negroes & Africa-  
 Said to be contagious. Blood dis-  
 ease. - Source of amenable to treat-  
 ment. - Limes, Min. acids.  
 "Gaw" - another name - Cooks  
 like raspberry.

Mollusca

Gum from  
 pig's head to pen. No pain,  
 not malignant. Contains sub-  
 acous matter. Sometimes all  
 the members of family have  
 it. Not contagious. Has to be  
 dripped off. Med. treatment  
 does no good. White pendulous  
 masses.

Maculae - 8<sup>th</sup> class - last. }

Stains - various  
 discolored fr. disorders function  
 of skin. Have every shade from



Size of pea or kidney nut or  
brown or fawn - Salviniæ has  
been called. Not always discol-  
ored. Norway. Said to be common  
here - Not common in this  
country. Not of Syph. origin.  
Ergenicæ - Not contagious.  
Mat. Muri of albuminous  
character. May attack  
intestines. Loss of sensibility  
in part attacked.

May ulcerate. Treatment  
not very efficacious - Hyd.  
Diodin. } Not locally more  
harmful than food.

{ C. of Arabs - may attack  
arms - Barbados leg?

Not climatic - Don't know  
cause. Inflamm. of skin & fol-  
licles. Mild Acute Phlogistic  
very inconvenient - Not very  
dangerous. Leg becomes  
enormously enlarged & heavy,  
discolored & sealy - looks



not so common as last, Stendilay<sup>29</sup>  
in Scurfous persons. Small laminae  
Saals. Symetymus joints are rigid -  
discolored. Lower extrem. Hands, face  
& feet rarely affected. Females, more  
common in male. Almost hopeless  
if Conventiae - frictions with coarse  
Oiled & flesh brush - 1 hr. per day -  
Rub in. O. Monf. Skin by  
all sorts of things. Heart is  
perfect, notwithstanding arrest of  
Sudorific & sebaceous follicles.  
Elevations on skin seem to be  
varieties of these. Microscope  
shows it projection of sebaceous  
follicles - may affect any part  
of body - "Lethyrosis Spinoza" - Emollient  
applicat. & cloths, then left tight  
astring. - Arg. nit. &c.

Prurigo. Tubercles Indurated  
prominences of skin - Elephantia-  
sis, not an erupt. affection. Prurigo  
Scintiasis or Elephant. of Grubs



Psooriasis - like papules & white  
scales - like Lepra. Don't often  
assume annular form - Lepra  
does. Supposed to come to be either  
Lepra or advanced stage of Scabies  
or lêches. P. latialis, palmaris,  
scrotales &c. A - don't think  
it a distinct affection.

Psooriasis general & diffuse.  
Same treatment as Lepra.

Pityriasis

Means "bran"

Scap. beignus white - P. capitis -  
on head. Sometimes has red base -  
P. rubra - versicoloris - yellow  
base. Slight itching.

Disorder of primary stage.

Alk. Naphth. Sod. Bicarb.

Borax. Car. Ointmt. Vig.

Car. Sul.  $\text{Rt}^{\frac{1}{2}}$  -  $\text{Y}^{\frac{1}{4}}$  -  $\text{Bz}^{\frac{1}{2}}$ .

Vig. parasiti. Supposed cause  
by some - like mentagra & farn  
Don't fire.

Ethyrosis - "fish scales"



Feb. 20<sup>th</sup>

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Squamiae - Scales of actinoid  
epidermis - not actinoid plus.  
Chronic, never contagious - rapidity  
of articulation affected.

Lepros  
Typical - "Lepros". Slight  
brick-red papules - white scales  
follow - patches - "L. guttata".  
"L. vulgaris" - Annular form - Peri-  
cymatous covered with white scales.  
"L. diffusa" - Scattered. "L. syriaca" -  
various shapes; sometimes a light  
dark - "L. nigra". Syphilitic - "L.  
syphilitica". "L. inveterata" - Chronic.  
Supposed to be connected with Syphilis  
as hereditary. Eruption improves in  
Summer - Approached in winter.  
Difficult to cure. Guaiacum -  
Sulcamara useful.  
Ung. Pot. Ricin. useful. Ung. Zinci  
Ox. of indistinct. Donovan's  
Fowler's Solution - Difficult  
to cure.



low diet & exercise.

Chronic Staph. Stim. washes.

{ Sycosis -

(Means "fig" - Small  
pustules - "montana" - p. etc.  
specially affecting chin-beard.  
Soon become confluent.

Cryptogamii plant. Affects  
follicle. Wilson says no crypt.  
of any growth. May or may not  
be contagious & conveyed by  
razor. Dull razor is power-  
ful irritant & may act as  
exciting cause, but dir  
on safe side. May affect  
eye-brow. Some think the  
hair should be extracted.

Don't shave, keep beard clipped.  
Dress & small applicat.  
Squamae or scales.  
deferred.



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Scroph. Lod. &c. Const. Treatment  
necessari; — Iron, Ol. Monst. Potass,  
Lodid.

Acne — Especially at puberty —  
Congest. of Sebaceous follicles — viscid  
Secretion — red pustule, tender & often  
Suppurates. A. punctata — when  
discolored on top — dust colors it.

A. imbricata or indurata — larger,  
harder — frequently on back — more  
sluggish than the others.

Treatment. — Avoid over feed — take  
exercise, gentle lax — reduced  
diet. Develop Catamenia if want —  
Lead water locally. Mm. Hyd.

Lod. Corros. Sublim. gr. 4 — 5 — 3 +  
Some people won't stop it — think  
it useless. Soap or alkalis fail  
generally. A. rosacea — face particu-  
larly affected — nose — follicles  
enlarged — skin hypertrophied.

Scurf Diathesis — females at  
change of life — Same treatment  
Cessation of menses — laxatives



Minor less disease of hair  
follicle. Contain scales  
microscop. Examined.  
Impaired nutrit. Children - debilitated - public schools & institutions - Endemic.

Don't think it contagious -  
hard to inoculate it.

No danger fr. to. Les like crust,  
bright yellow color & confined to  
head - not hard to diagnose.

Don't expose children unnecessarily.  
*Porrigo furfurans* has nothing  
to do with *favus* - "tinea Capitis",  
scalp - head ~~affected~~. Disease of  
hair follicle - thought contagious.  
*Favus* treatment - Some apply  
Cap of buckskin with Burgundy  
pitch & some Escharotic - Sweet  
Vapor to kill parasite -  
barbarous treatment.

Cut hair short - emollient ap-  
plications & then apply alk.  
N. Lodin. Arg. Nit. Aln.



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2. Cachectica. No danger - indy, durat,  
Painful: May last 7 years.

Syphilis, pustule may be mistaken  
for it - history of case & other symp-  
toms - Pot. Lod. Hydrag.

No Syphilis - Min. acids, tonics  
by food diet.

Favus - Porrius sometimes called -  
but is applied to many diseases.

Resembles honey-comb. Resembles  
pustule, not nearly so. Yellow  
color - generally on head root of  
hair - yellow, perforated point -  
becomes umbilicated - Centre  
dries up - Smells bad - Circum-  
ference spreads.

Nature - Some think always  
result of impaired nutrit. - hair  
fouled & pressed upon, hair falls  
Others think fungous growth -  
Cells budding from new cells,  
believe it contagious.

No reason for think<sup>g</sup> it the latter  
Reverts Cell development.



like bark of tree. Larvates when  
forming a sort of mask.

Persistent disease wh. complicated  
causes death. Children in  
summer months usually

Acute stage - Small applicat<sup>n</sup>  
Soft sponges to remove feces.

If wants Styr. Carminent  
or Sulph. Sod. If inflam. Op  
zinci - Benzygins.

Constit. Leries, good diet  
Min. Acid, bark. Alth. doses  
Pit. Hyd. Lancefurns for  
dentit. Regulate uterine func=  
tions.

Ecthyra - mean<sup>t</sup> to burst<sup>n</sup>  
forth. Leitch boils - Suppurate,  
Sometimes resemble Smear  
box or imp. of Lactar med.  
May be maior for feces  
disappear & return.

Imperfect diet - Depress  
Dysaust Yt imitants,  
Blood, sanious matter -



February 19<sup>th</sup>.

Bucellae cont<sup>d</sup> Rupia - means Sordes or Hack  
Danius brater. Large, pendulous blisters -  
 fissile - centre deeper than margin,  
 brown or gray - occasionally like Cham  
or oyster shell - become prominent &  
Cacced prominens. First vesicle small,  
 acuminate & become  $\frac{1}{2}$  in to 1 in long  
 hollow & filled with pus. Escharotic  
 upon - no crust.

Cause - Some think it always Syph-  
ilitic - not so; impaired nutrition may  
 cause it. Alt. doses of H<sub>2</sub>O, or Pot,  
Lod. of Syphilis. Tonics if otherwise  
 Water dressing or emollient applicat<sup>n</sup>.  
 Arg. Nit. Cap. Suet. afterward

Distules - Impetigo, Ecthyme,  
Favus, Sycosis, Aene

Impetigo - means to infect. Slight  
 redness, papule & pus blister forms  
 Small - may be scattered or  
 Congregate. Little Cong<sup>l</sup>. Dist<sup>n</sup>  
 and Amongst. Sparsa -  
 when scattered - Scabate when



In winter. - Slow progress fr. low vi-  
tality. More rapid in vigorous per-  
sons. Fifth purifies - but don't  
produce it's insect.

(Old Scratch" himself chosen)  
Anything wh. will destroy animal  
life will kill him.

Sulphur - Commonly used -  
rubbed first with Soap - then  
for several days with Sulphur  
Ointment. Run int. it is slow  
indirect. Soft Soap alone rubbed  
in, said to kill. Oil rubbed  
in pores may kill him.

Potass. Sulp.  $\frac{R}{i}$  } bath pre=  
Ay -  $\frac{C}{i}$  }

quint. very useful.

Pimplis - large blebs or  
bulla - vesicles. Occasional  
fanciful - bloody serum.

Young, Cachectic Children -  
Let them dry up & apply some  
Simpl ointmt.



19  
resemblance - supposed to be various  
colors. Cause - Cheeked perspiration  
follows fur - local irritant - occasional  
age - blood disease.

Great pain & local. Mito anti-  
phlogistic ras. - comes later.

Don't punctum & cautery.

Itch - Scabies - highly contagious.

Porra &c - all mean scab. Vesicular  
eruption. Vesicles accumulate -

little redness - bet. fingers -  
on arm has not been pointed.

Character - Skin thinner.

Children - buttocks. May be on body.

& not on hand. May be punctured  
fr. scratching. Insects causes it.

Ancients knew it - detected in 1835,  
has been often seen since. Nastiest

& horrid - can't penetrate even toughest  
skin - feeds on epidermis generally -

vesicle throwing out wt. the skin  
it contains. Small in 8-10 days  
produces new ones. Microscope  
necessary to detect the insect.



Fowler's & Donovan's Colubinae.  
Locally - mucilous at first -  
Ligrointum later.  
Sudamina - obstruct. of  
Lymphatic ducts. Occasional  
slight redness - may feel it.  
Occurs in Rheumatism & Typhoid  
fever. Called also "millaria".  
Herpes - means to "creep" - occurs  
in minute points - following  
mucous layer & extends. Inflamed  
base, Suppuration, crusts & cic-  
atrix. St. phlyctenodes - tending  
to suppuration. St. latialis,  
periputialis &c owing to heat -  
St. Yostii - form of belt -  
"Shingles" - fr. fiddle. Abdomen,  
vesicular erupt. Extends to en-  
circle body - May twist around  
body & down leg. Unattended  
with danger. Painful & ter-  
rifying. St. Accumulatus -  
form of ring worm.  
St. iris - rainbow - seen dist.



Eczema - means "boil over" } 17  
Simplex - Small vesicles (.) Little  
redness & fever - Disappear in 2 weeks  
E. rubrum - more severe. vesicles at  
first small, enlarge, burst, form a  
light crust. Indef. duration, Rec-  
ession crops. Use of Hydrarg. Some-  
times called E. impetiginodes, when  
it becomes pustular.

E. Capitis - "Crusti lactei" affects  
scalp - hair matted - very offensive  
odor. Health depraved - Desolous.  
Attends to stage of disease in diagnosis  
Herpes - vesicles large & rounded.

Scabies - fingers &c - insect.

Lichen - papular. Impetigo - pustular.

Local cause - pitch plaster -

Cantharides - Common poison oak.

Head - always transient when so  
caused. Disorders Menstrual,  
Primary assim. Fault.

Head in children - Abdomen in  
adults - lips in old people  
Unic in chronic cases -



often a manifestation of gout - no sup-  
puration, except fr. constant scratching.  
Treatmt. - Gout font, Cachexia,  
Local - Aoid Stimulant & aemi-  
stazy medicated & fine Cal?  
Gen. have to support strength -  
Dilute Vinegar, Lemon juice, Alcohol  
H. Fr. Iodine - Cor. Sub. gr<sup>ss</sup> -  $\beta$  3<sup>+</sup>  
Creasol.  $\beta$  4<sup>+</sup> - Adep.  $\beta$  3<sup>+</sup>  
Op.  $\beta$  3<sup>+</sup> - Campl. fr X. Adepis -  $\beta$  3<sup>+</sup>  
Fr. Op.  $\beta$  3<sup>+</sup> Sublim. Suple.  $\beta$  3<sup>+</sup>  
Ox. Zinc -  $\beta$  3<sup>+</sup> - Al. Amygd.  $\beta$  3<sup>+</sup>  
Adeps. (washed)  $\beta$  3<sup>+</sup>. Very useful.

{ Esicles - Eryema - Sudamina,  
Herpes, Scabies - Possion Ricket's  
Symphigus.

Wain-blister - Not much in-  
flam. Very large when Eryema  
is thick. Break soon & collect  
pellucid fluid. Affect on edge  
of diff. secret. ducts.  
Look like papules.



confounded. Itch & scyema - vesicular.  
 Treatmt. Kouf. lemon juice, Colch.  
 Alkalis. Menstruat. Emmenagogue.  
 Avoid irritants - Laxatives &c. Chronic -  
 Tonics. Local - Guillard's Catalina -  
 cilaps. Chronic, Dr. Canthar. Fowler's  
 Solution. Citrine Ointment - Laroque's  
 ment.

{ Strophulus - The 'Pum'. At the  
 infants - red 'pum' - first month - over  
 body. White-pum - all through infancy,  
 less painful. Correct diet; give  
 Soda - attend to liver. Laccapums.  
 Ag. Camph. Ag. Calais, Spts. Minder.  
 Milt. Local.

{ Pompho - Intolerable itching - on the  
back - burning, can't sleep. Scarcely  
 visible - except horizontal - white; becomes  
 thickened fr. scratching - bloody crusts.  
Cause - want of cleanliness often  
 not always - Cachexia. Often scaly.  
 Agut confound with itch or scyema.  
Lesions - red - diff. local.  
 Simple pruritus - itching - no eruption.



often necessary.

{ Papules - Solid prominences of  
Skin - slight inflam. Little tendency  
to Suppuration. Orifices of excretory  
ducts affected - Small orifice at  
top of papule & perforated, hair  
sometimes.

{ Echens - Simply - Small papules,  
painful & itching - multi seed -  
various shapes - Occasionally  
live in scrofulic persons.  
Lomatium Circular - Circumscribed,  
like ring worm. Sometimes S - J =  
Gyratus. Sometimes Cornes  
& foci - L. lenticularis. Sometimes  
Chronic - Cores papules - Skin  
thick, Scaly & cracks. L. Apries -  
More chronic, aggravated & obstinate.  
Cause - Const. vice - may  
be from disordered menstruation  
local irritant - pits, heat -  
Red flannel, or poisonous dye being  
used. Disease could hardly be



Plant. Acet., or Common flower <sup>13</sup>locally.

Feb. 18<sup>th</sup>.

Roseola - rose col. - Sometimes diffused & pure  
taint - caused Scarlat rash. Sometimes in  
distinct patches - like Rubella.  
Scarlatina has vomiting, const. Symptoms  
& sore Throat. - Rubella - Catarrh &c.  
Often due to dentition &c. Lacerations,  
Entire lacerations. Dust Surface with  
flour or powder. (Annular form, Some-  
times).

Urticaria - wheal-rash. White  
swellings, Enlarged red <sup>margins</sup> ~~perforations~~  
Itching, transient. Slight fever,  
nausea vomit. Sometimes: Particulate  
lar articles of dirt cause acidif of  
skin. Causal & common cause.

Confecta - Confluent - Exhaust. Patient  
by the combined - Vary fatal.

Give Alkalies - Magnes.

Mucilag. diet. Lemon juice.

or Vinegar & water, A. J. Camph  
Externally. Acridities at night.



ments - Var ointment, Mercury,  
Potass. Iod., Mercury, Nit.,  
Zinci Sulph., Al. Zif., &c  
Blister occasionally demanded,  
very difficult to tell when to  
stop one plan of treatment & begin  
another.

No danger in curing Eruption of  
Constit. Treatment is Simultane-  
neous employed.

Rashes - Erythematous -  
{ Erythema - means blush.  
Superficial redness, no fever,  
slight swelling, desquamates,  
often local, result of fastness  
irritat. Called "fugax", "cin-  
cinata", <sup>"marginata"</sup> "dermatosa" - Swells -  
in lower extrem. "Impetigo" -  
Simple variety - Seen on lips of Inf.,  
E. nodosa - Seen in disorders  
menstruation - on lower extrem.  
Attends to digestion - alk.  
claration; Cure dysmenorrhea  
& trachitis - Mucilans,



times - Seabers &c (Has been thought to  
owe its usefulness to small quantity of  
Arsenic cont? - pure Sulphur useless)  
Ol. Morph. improves genl Nutrition - No  
better locally than washed Lard.

Mr. Cantharid. in obstinate cases - Stim-  
ulant capillaris - useful in Chronic  
Scaly diseases. Bulcamara seems  
to act on Skin, producing Secretion  
& acts too as Sedative - N<sup>o</sup> never found  
it useful.

### Genl Local Treatment.

By careful not to Stim. in acute stage  
Baths useful; remove congest, Soften  
Skin, promote Secretion & procure Sleep.  
May be medicated in various ways.  
Simple water dress in acute  
stage, not too long cont. Liniment,  
of Lime Water & Ol. Lini. Ung. of  
various kinds - take care not to  
let them become rancid. Benzoin-Six-  
to rosin  $3\frac{1}{2}$  prevents rancidity.  
Ung. Zinci Oxidi - very useful.  
Chronic Cases - use Stim. oint-



Treatment in form of Cutaneous Diseases.  
Many men give Sulphur, bark &c & don't  
know what else to do. They are poor  
manifestations of some general disorder -  
not cutaneous diseases - must give constitutional treatment. In acute  
stage may have to use emetics,  
drugs, diuretics, cathartics  
& low diet. Chronic - tonics  
{ Iron &c - Good poison speculio  
diathesis. Liver & kidneys often  
impaired in function - caut  
eliminate. Arsenic seems a  
specific in many skin diseases,  
{ don't give in acute stage - irritates  
& stim skin. Often at first  
brings out eruption & a little fever,  
but afterwards gets better.  
Liq. Pot. Arsenit. gtt v ter die,  
during or after meals.  
Donovan's Solution - gtt v - apt  
to salivate in large doses; very  
useful in obscure diseases.  
Sulphur seems specific some -



9  
 &c - Diff't. Stages of same pathological  
 Condition. Same disease may have diff't.  
 appearances in diff't. parts of body.  
 Nearly always, some constit disturbance,  
 & often peculiar diathesis - Sometimes  
 local irritant causes it. Inflamm. of  
 int'l organ may temporarily cure the  
 eruption. Prothitis &c results of too  
 w<sup>ch</sup> erupt. disappears - reproduces it.  
 Sometimes hereditary & occasional  
 contagious. Diagnosis - very import-  
 ant - treatment depend on it or you  
 get reputation for ignorance if you  
 can't diagnose. First find out the  
 head under wh. it comes & then com-  
 pare it with all coming under that  
 head. Occasional other erupt. become  
 complicated or disease becomes chronic  
 & you can't diagnose. Arsenic, by  
 stimulating skin develops an acute  
 attack of the disease & you are enabled  
 to diagnose it - Sulphur, Specific in  
 Scabies &c.



blood - no anatomical lesions  
{ Treatmt - Sthenic cases - Blood  
promotes absorption. Perspiration  
Diaphoresis & Diuresis relieve it -  
imitate nature by diuretic. Diaph.  
& hydragogue cath.

{ Passive forms - improve blood  
increase plasticity - Tonic  
Fr. Fer. Chlor. often Astringent  
Veg. & Min. ~~Phosphates~~  
Anaesthetic - make minute  
punctures & apply pressure.

{ Diseases of the Skin.

They generally result fr. irritation  
or from impaired nutrition.

They are classified accord<sup>d</sup> to their  
appearances - or accord<sup>d</sup> to the  
Anatomical Structures wh. the  
diff. diseases affect.

They vary accord<sup>d</sup> to the diathesis  
of patient, but are very gen<sup>l</sup> inflam<sup>n</sup>  
mations. Erythema - Super<sup>f</sup>  
ficial redness & inflam.

Papule inflam of deeper structure



7  
H.C. food - Secure alvine dejections -  
Exercise &c. Relieve Kid. by demulcent  
Diaph. & gentle laxatives - act. doses  
of Pil. Hydrag. Great debility  
often associated with excessive  
flow - Pilladonna & tonics.

Feb. 14<sup>th</sup> Dropsy.

Not in itself a disease. May be divided  
into sthenic or active & passive dropsy.  
Cause - Not strictly due to inflammation.

May cause congestion & then dropsy.  
Venous congestion, generally with watery  
condition of blood common cause.  
Tumors, Aneurism of Aorta, phlebitis  
& other obstruct. local causes.  
Heart-valv. disease or dilatation very  
common gen. cause.

Affect. of Skin & Kidney causing  
plenitude of vessels - Causes it.  
Prognosis depends on Cause.

Diseases of Kidney, Heart & Liver -  
unfav. Water condition of



Don't give Sugar.

Water, best drink; if debilitated give  
Burgundy, Calant or Brand  
& Calant. Butter-milk useful.

Don't too rapidly change habits of  
patient who has been eating every-  
thing. Keep mind cheery -

Change of Climate & Traveling

may keep disease at bay.

Don't consider patient cured till

even trace of Sugar disappears

even on taking Amylaceous food.

{ Diuresis - persist. & cont<sup>d</sup>

flow of urine. May be large

amt. of purified water - but

low Sp. gr. 1002 perhaps with

deficient amts. May be high

Sp. gr. great Thirst & emaciation

Called Azoturia - many  $\beta$

Specimens per day.

Great amts. of StC food or

destruct. Assimilat. of tissue

occurs. Contains no Sugar

but excess of Urea. Avoid



5-

Iron, Bark &c improve digestion & aid  
primary assimilation. Alkalies - Pot.  
or Sod. Carb. oxidizing Sugar & preventing  
acidif. Potass. Permanganas - tried  
unsuccessfully. Rennet useful -  
 $\frac{1}{2}$  at meal times. Blood pure Yeast.  
Pepsin, D - tried - failed in this too.

Must combat distressing symptoms -  
dryness of skin & jaundition - give  
Opium - as Dover's powder.

Warm bath, friction & warm clothes,  
gentle purgative, persevere - Rhei,  
Colocynth, Zingib. &c not Saline  
laxatives. Ol. Morrhuae Latin,  
useful. Derivatives over liver  
& astringents wh. liver is cirrhotic.

Must combat symptoms gently.

Proper diet most useful - give  
Animal diet as far as possible -  
Gluten bread - peccula washed out -  
is useful. Vermicelli - Macaroni  
May mix bran with egg & butter,  
Simmer very? - Cold Slow, Chilly  
&c. Avoid amylaceous articles.



sidered cause by some.

No anatomical lesions - Tubercle  
Tubercinosis often seen as a  
result of impaired nutrition & con-  
gestion. Blood contains large  
amt. of Sugar - So does liver.  
Has been supposed that we may have  
a Saccharic Diathesis.

{ Dr. thinks it due to primary as-  
similation of a faulty character.  
Salivary glands contain diastase  
& hence experiments on food swal-  
lowed amt. to but little.

In this disease the Sugar is not  
converted into lactic or butyric  
acid but is thrown into the Sys-  
temic circulation & acts as a  
diuretic. Treatment. Restore  
healthy gastric juice &c - You  
can't relieve patient while yg.  
food is taken - Give animal  
food - avoid all disturbance  
of Nervous System, Excessive  
use of lotions &c. Min. Acid.



3

greatly impaired. Speedy death apt to occur.  
Cataract don't necessarily follow - when  
it does it is due to impaired development  
or nutrition - a fixed thing. (I have never  
seen it.) After symptoms hardly exist  
urine contains very little Sugar -  
test it by evaporating it on water crys-  
tal - Sugar, granular, not crystalline.  
Most frequently obtained as molasses.  
Have to resort to Fomier's test in  
small quantities - Cupri' Supt.  
& Liq. Potass. (Moore's test -  $\text{Bi}^{+++}$ -bride  
with  $3\frac{1}{2}$  Potass - red oblique color).

Potass. Chromas - may be used.

Fermentation - Yeast & water added  
to urine in test tube, inverted in water.  
 $\text{CO}_2$  is evolved - every cubic inch equals  
1 gr Sugar. Yeast plant - result  
of fermentation of Sugar in diabetic  
urine. Hereditary - always un-  
favorable here. Abuse of food & drink,  
mental or phys. fatigue - Excessive  
use of Sugar & tobacco.  
Disturbed function of liver &c &c



am't. of Sugar in a given quantif.  
(Man becomes Sugar Manufacturer)  
Sometimes quantif exceeds all  
the ingesta & even the weight of all  
the fluids of body.

Urea & other salts not much dim-  
inished. Emaciation becomes

Excessive, Firms Spongy, Testes  
enlarge, mucous membr. red -  
Constipation & insomnia.

Almost incurable - Since it comes  
on insidiously. Used to be cere-  
brounally with diuresis.

Temporary diabetes not un-  
common fr. eating Sacch. matter  
or fr. asthma. Liab to sudden  
death fr. any intercurrent disease.  
Rangorous tendency - don't  
operate on such patients.

Function of Kidney Exaggerated -

Constipation & albuminuria follow -  
patient dies almost necessarily.

Tubercular developments  
apt to follow - Nutrition being



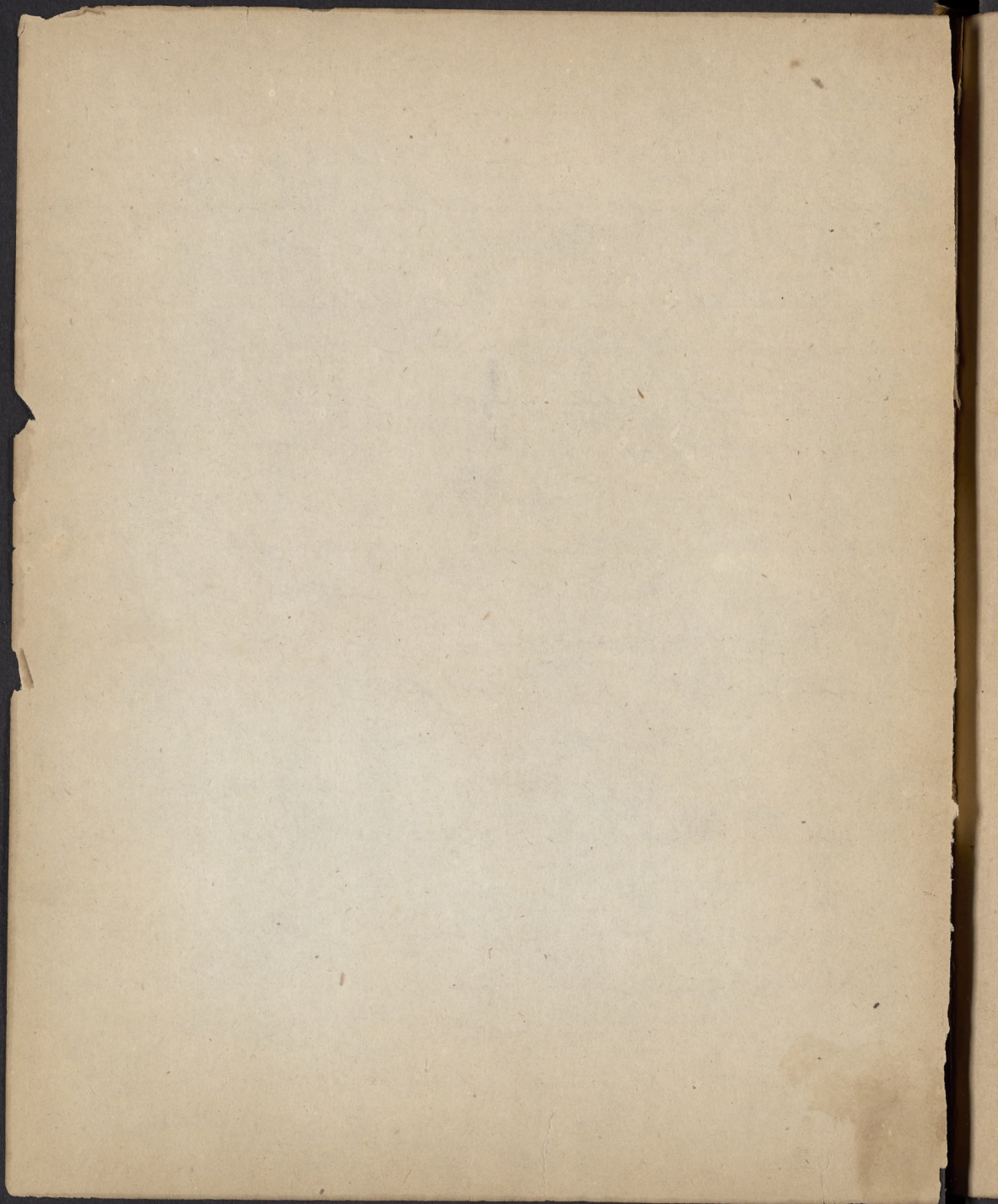
February 16<sup>th</sup> 1884. Diabetes.

Not a disease of kidney - result of impaired nutrition - function of kidney unduly exercised in separating sacchar. matter. Means "flow through" fr. excessive flow of urine.

Diuresis - Excessive urination without Sugar. Diabetes, ~~flow~~ Urine Contains Sugar, not necessarily in excess.

Symptoms - Often insidious - Dyspeptic Symptoms - Cate, dry throat - Prostration of strength, Emaciation - increased flow of urine particularly at night attracts attention. Thirst generally excessive - watery part of blood draining away; amt. proportions to character of food - augmented by Amylaceous food. Requires as much water here as is required to convert starch into Sugar with Diastase. Quantity of Sugar varies - gives Sp. gr. to the urine. (Normal 1015-20) 1035-1050 in Diabetes. Multiply excess of Sp. gr. over 1000 by  $2\frac{1}{3}$  & you get the







H. H. Smith.

Feb. 16<sup>th</sup> - Piles. Deformities - Club foot.

- " 17<sup>th</sup> Natural curvature of spine.  
" 18<sup>th</sup> Ant. post. curvatur. Tubercle & Carries of vertebrae.  
" 19<sup>th</sup> - Affections of eye. Amaurosis. Ectropion. Sty - blear eye.  
" 23<sup>rd</sup> - " Fistula lach. Dacryocystitis, &  
conjunctivitis = ⊗ - Scleritis = ⊕ - Acid. can. fr. - 137.

Chymosis - be examined on this.

- " 25<sup>th</sup> Scrophulous ophthalmia. Gonorrheal Conjunctivitis & Gon.  
ophthalmia. Ulcer of cornea. Scleritis = Rheumatic  
ophthalmia. Cornitis. Staphylococcus. Iritis.



TO THE  
TO  
AIR FORCE



E. J. Morris

Notes on Prof. Wm Pepper's  
Lectures on  
The theory & Practice of Medicine

University of Penna.  
1883-84

*Wm. C. Morris*

COLLEGE OF PHYSICIANS  
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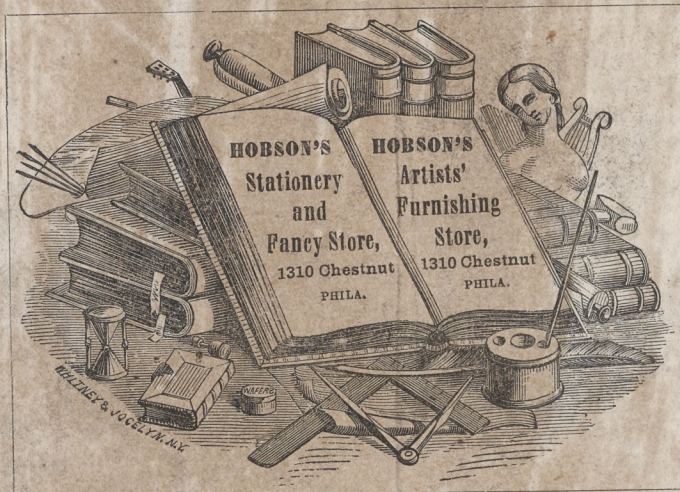
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